OxyVinyls® 155

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Alloys and Polyblends
High Flow Injection Molding Compounds
Color Concentrates and Masterbatches
Flow Enhancement
Flexible and Rigid Foams

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.515	0.500 – 0.530	OxyVinyls 1386
Relative Viscosity	1.60	1.580 – 1.620	Correlation
K Value	50	49 – 50	Correlation
Volatiles (%)	0.08	0.13 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.1	2.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	34	50.0 Max.	
% Retained on Pan	7.4	20.0 Max.	
Contamination (#/100gm)	8	30 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	4.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.230	0.170 – 0.270	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.570	0.540 – 0.590	OxyVinyls 1501
Flow Time (s)	12	18 Max.	OxyVinyls 1501
CAS Number	9002-86-2		

OxyVinyls, LP

Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Niagara Falls Plant
January 2012

OxyVinyls® 155F

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Alloys and Polyblends
High Flow Injection Molding Compounds
Color Concentrates and Masterbatches
Flow Enhancement
Flexible and Rigid Foams

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.515	0.500 – 0.540	OxyVinyls 1386
Relative Viscosity	1.60	1.580 – 1.620	Correlation
K Value	50	49 – 50	Correlation
Volatiles (%)	0.08	0.15 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.1	2.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	34	50.0 Max.	
% Retained on Pan	7.4	20.0 Max.	
Contamination (#/100gm)	3	10 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	1.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.230	0.170 – 0.270	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.570	0.540 – 0.590	OxyVinyls 1501
Flow Time (s)	12	18 Max.	OxyVinyls 1501
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Niagara Falls Plant
January 2012

OxyVinyls® 185

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Injection molding, Pipe fittings
Calendering
Flooring
Extrusion, clear film and sheet
Rigid foam profiles

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.680	0.660 – 0.700	OxyVinyls 1386
Relative Viscosity	1.81	1.78 – 1.85	Correlation
K Value	56	55 – 57	Correlation
Volatiles (%)	0.07	0.40 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	1.0	3.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	15.2	25.0 Max.	
% Retained on Pan	1.5	6.0 Max.	
Contamination (#/100gm)	4	30 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	3.2 Max.	OxyVinyls 1005
Apparent Bulk Density (g/cc)	0.561	0.525 – 0.605	OxyVinyls 1501
Flow Time (s)	8	14 Max.	OxyVinyls 1501
ASTM Cell Classification	GP1-16050		ASTM D 1755
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pasadena Plant
January 2012

OxyVinyls® 185F

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Injection molding, Pipe fittings
Calendering
Flooring
Solution top coats
Extrusion, clear film and sheet
Rigid foam profiles
Alloying
Low Gels and Contamination

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.674	0.660 – 0.700	OxyVinyls 1386
Relative Viscosity	1.81	1.78 – 1.85	Correlation
K Value	56	55 – 57	Correlation
Volatiles (%)	0.06	0.30 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	1.0	3.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	13.6	25.0 Max.	
% Retained on Pan	1.5	6.0 Max.	
Contamination (#/100gm)	2	10 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	1.0 Max.	OxyVinyls 1005
Apparent Bulk Density (g/cc)	0.559	0.525 – 0.605	OxyVinyls 1501
Flow Time (s)	8	14 Max.	OxyVinyls 1501
Gels (BEST Test)	3	10 Max.	OxyVinyls 1249
ASTM Cell Classification	GP1-16050		ASTM D 1755
CAS Number	9002-86-2		

OxyVinyls, LP

Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pasadena Plant
January 2012

OxyVinyls® 190F

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Extrusions, foams, clear film and sheet	Calendering
Injection molding, Pipe fittings	Alloying
Solution top coats	Flooring

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.730	0.710 – 0.750	OxyVinyls 1386
Relative Viscosity	1.89	1.86 – 1.92	Correlation
K Value	58	57 – 59	Correlation
Volatiles (%)	0.09	0.30 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	1.0	4.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	14.3	25.0 Max.	
% Retained on Pan	2.4	6.0 Max.	
Contamination (#/100gm)	2	15 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	1.0 Max.	OxyVinyls 1005
Apparent Bulk Density (g/cc)	0.552	0.515 – 0.595	OxyVinyls 1501
Flow Time (s)	8	14 Max.	OxyVinyls 1501
Gels (BEST Test)	3	10 Max.	OxyVinyls 1249
Color (CIE Lab b* Value)	0.84	0.50 – 1.40	OxyVinyls 1500
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pasadena Plant
January 2012

OxyVinyls® 195F

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Extrusions, foams, clear film and sheet	Calendering
Injection molding, Pipe fittings	Alloying
Solution top coats	Flooring

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.790	0.765 – 0.805	OxyVinyls 1386
Relative Viscosity	1.96	1.94 – 2.00	Correlation
K Value	60	59 – 60	Correlation
Volatiles (%)	0.1	0.30 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	1	3 Max.	OxyVinyls 1502
% Retained on 200 mesh	14	25 Max.	
% Retained on Pan	2	3 Max.	
Contamination (#/100gm)	2	15 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	1.0 Max.	OxyVinyls 1005
Apparent Bulk Density (g/cc)	0.544	0.495 – 0.585	OxyVinyls 1501
Flow Time (s)	8	14 Max.	OxyVinyls 1501
Gels (BEST Test)	3	10 Max.	OxyVinyls 1249
Color (CIE Lab b* Value)	0.80	0.50 – 1.40	OxyVinyls 1500
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pasadena Plant
July 2013

OxyVinyls® 200F

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Rigid and Flexible Profile Extrusion
Medical and Food Grade Film and Sheet
Medical and Food Grade Tubing and Molded Devices
Wire and Cable Insulation
Low Gels and Contamination
Uniform Plasticizer Absorption
Extruded and Molded Foams
Calendered Goods

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.830	0.810 – 0.850	OxyVinyls 1386
Relative Viscosity	2.03	2.00 – 2.07	Correlation
K Value	61	61 – 62	Correlation
Volatiles (%)	0.07	0.30 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.2	3.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	7.2	18.0 Max.	
% Retained on Pan	0.5	3.0 Max.	
Contamination (#/100gm)	4	12 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	5.0 Max.	OxyVinyls 1005
Apparent Bulk Density (g/cc)	0.560	0.500 – 0.600	OxyVinyls 1501
Flow Time (s)	8	12 Max.	OxyVinyls 1501
Porosity (cc/g)	0.248	0.230 – 0.310	OxyVinyls 1094
Gels (4’ mill results)	3	10 Max.	OxyVinyls 1503
Color (CIE Lab b* value)	0.76	0.30 – 0.90	OxyVinyls 1500
CAS Number	9002-86-2		

OxyVinyls, LP

Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Deer Park Plant
January 2012

OxyVinyls® 216

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

OxyVinyls®216 is an anti-stat treated resin designed for rigid applications. Its medium molecular weight provides excellent processing characteristics in both single and multi-screw extruders. Its superior color and low contamination qualities make it perfect for vinyl siding and other weatherable building applications.

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.897	0.880 – 0.920	OxyVinyls 1386
Relative Viscosity	2.15	2.12 – 2.19	Correlation
K Value	64	64 – 65	Correlation
Volatiles (%)	0.06	0.24 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.1	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	3.0	8.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	6.8	12.0 Max.	
% Retained on Pan	1.2	3.5 Max.	
Residual Monomer (ppm)	0.1	3.2 Max.	OxyVinyls 1005
Apparent Bulk Density (g/cc)	0.605	0.575 – 0.635	OxyVinyls 1501
ASTM Cell Classification	GP4-16340		ASTM D 1755
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pasadena Plant
January 2012

OxyVinyls® 216S

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

OxyVinyls®216S is suspension PVC resin designed for rigid applications. Its medium molecular weight provides excellent processing characteristics in both single and multi-screw extruders. Its superior color and low contamination qualities make it perfect for vinyl siding and other weatherable building applications.

Vinyl Siding and Soffit
Windows and Doors
Outdoor Furniture
Rigid Profiles
Gutters and Down-spouts
Window Blinds

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.900	0.880 – 0.920	OxyVinyls 1386
Relative Viscosity	2.15	2.12 – 2.19	Correlation
K Value	64	64 – 65	Correlation
Volatiles (%)	0.10	0.24 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.1	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	3.5	6.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	6.5	12.0 Max.	
% Retained on Pan	1.0	3.5 Max.	
Residual Monomer (ppm)	0.1	3.2 Max.	OxyVinyls 1005
Apparent Bulk Density (g/cc)	0.542	0.515 – 0.575	OxyVinyls 1501
ASTM Cell Classification	GP4-16340		ASTM D 1755
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pasadena Plant
January 2012

OxyVinyls® 220F

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Medical and Food Grade Flexible Film and Sheet
Medical and Food Grade Tubing and Molded Devices
Wire and Cable Insulation
Low Gels and Contamination
Uniform Plasticizer Absorption
Calendered Goods

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.920	0.900 – 0.940	OxyVinyls 1386
Relative Viscosity	2.18	2.15 – 2.23	Correlation
K Value	65	64 – 66	Correlation
Volatiles (%)	0.07	0.30 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.2	2.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	9.2	25.0 Max.	
% Retained on Pan	1.1	6.0 Max.	
Contamination (#/100gm)	4	12 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.15	2.0 Max.	OxyVinyls 1005
Powder Mix Time (s)	260	200 – 400	OxyVinyls 488
Gels (3' QLC)	5	50 Max.	OxyVinyls 1503
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pedricktown Plant
January 2012

OxyVinyls® 225

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

OxyVinyls®225 is a suspension resin designed for rigid applications. It is often converted into a wide range of pipe sizes and types, which meet the most stringent standards for water supply and distribution. Its medium molecular weight provides excellent processing characteristics in both single and multi-screw extruders. Typical Applications include irrigation, foam core, potable water, DWV/sewer pipe, electrical conduit and rigid profiles.

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.900	0.880 – 0.920	OxyVinyls 1386
Relative Viscosity	2.16	2.12 – 2.19	Correlation
K Value	65	64 – 65	Correlation
Volatiles (%)	0.07	0.24 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.1	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	3.0	10.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	6.0	15.0 Max.	
% Retained on Pan	1.1	5.0 Max.	
Residual Monomer (ppm)	0.11	3.2 Max.	OxyVinyls 1005
Apparent Bulk Density (g/cc)	0.590	0.575 – 0.625	OxyVinyls 1501
ASTM Cell Classification	GP4-16040		ASTM D 1755
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pasadena Plant
January 2012

OxyVinyls® 225P

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

OxyVinyls®225P resin is often converted into a wide range of pipe sizes and types, which meet the most stringent standards for water supply and distribution. Its medium molecular weight provides excellent processing characteristics in both single and multi-screw extruders. Typical Applications include irrigation, foam core, potable water, DWV/sewer pipe, electrical conduit and rigid profiles.

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.900	0.880 – 0.920	OxyVinyls 1386
Relative Viscosity	2.16	2.12 – 2.19	Correlation
K Value	65	64 – 65	Correlation
Volatiles (%)	0.07	0.24 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.1	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	3.2	7.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	8.0	15.0 Max.	
% Retained on Pan	1.1	5.0 Max.	
Residual Monomer (ppm)	0.15	3.2 Max.	OxyVinyls 1005
Apparent Bulk Density (g/cc)	0.543	0.515 – 0.575	OxyVinyls 1501
ASTM Cell Classification	GP4-16040		ASTM D 1755
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pasadena Plant
January 2012

OxyVinyls® 226

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Flexible Film and Sheet
Molding and Profile Extrusion Applications
Wire and Cable Insulation
Low Gels and Contamination
Uniform Plasticizer Absorption
Excellent Color and Clarity

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.950	0.930 – 0.970	OxyVinyls 1386
Relative Viscosity	2.24	2.20 – 2.28	Correlation
K Value	67	66 – 67	Correlation
Volatiles (%)	0.05	0.3 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	2.0	6.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	12.0	18.0 Max.	
% Retained on Pan	2.0	5.0 Max.	
Contamination (#/100gm)	9	15 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.03	2.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.339	0.300 – 0.390	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.520	0.480 – 0.570	OxyVinyls 1501
Flow Time (s)	9	12 Max.	OxyVinyls 1501
Powder Mix Time (s)	296	250 – 350	OxyVinyls 488
Color (CIELab b*-value)	0.60	0.30 – 1.30	OxyVinyls 1500
Gels (4' mill results)	10	20 Max.	OxyVinyls 1503
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pasadena Plant
July 2012

OxyVinyls® 226F

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Flexible Film and Sheet
Molding and Profile Extrusion Applications
Wire and Cable Insulation
Low Gels and Contamination
Uniform Plasticizer Absorption
Excellent Color and Clarity

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.950	0.930 – 0.970	OxyVinyls 1386
Relative Viscosity	2.24	2.20 – 2.28	Correlation
K Value	67	66 – 67	Correlation
Volatiles (%)	0.05	0.3 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.9	6.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	9.2	18.0 Max.	
% Retained on Pan	1.1	4.0 Max.	
Contamination (#/100gm)	5	12 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.03	1.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.336	0.300 – 0.360	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.520	0.480 – 0.570	OxyVinyls 1501
Flow Time (s)	8	12 Max.	OxyVinyls 1501
Powder Mix Time (s)	252	250 – 350	OxyVinyls 488
Color (CIELab b*-value)	0.60	0.30 – 0.90	OxyVinyls 1500
Gels (4' mill results)	4	10 Max.	OxyVinyls 1503
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pasadena Plant
July 2012

OxyVinyls® 240

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Medical and Food Grade Flexible Film and Sheet
Medical and Food Grade Tubing and Molded Devices
Wire and Cable Insulation
Rigid Extrusion Compounds
Low Gels and Contamination
Uniform Plasticizer Absorption
Calendered Goods

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.020	1.00 – 1.04	OxyVinyls 1386
Relative Viscosity	2.37	2.32 – 2.41	Correlation
K Value	70	68 – 70	Correlation
Volatiles (%)	0.05	0.3 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.5 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.9	2.5 Max.	OxyVinyls 1502
% Retained on 200 mesh	9.2	18.0 Max.	
% Retained on Pan	1.1	4.0 Max.	
Contamination (#/100gm)	9	15 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	4.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.350	0.300 – 0.390	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.510	0.440 – 0.540	OxyVinyls 1501
Flow Time (s)	8	12 Max.	OxyVinyls 1501
Powder Mix Time (s)	290	250 – 350	OxyVinyls 488
Color (CIELab b*-value)	0.70	1.90 Max.	OxyVinyls 1500
Gels (4' mill results)	10	20 Max.	OxyVinyls 1503
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Deer Park Plant
January 2012

OxyVinyls® 240F

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Medical and Food Grade Flexible Film and Sheet
Medical and Food Grade Tubing and Molded Devices
Wire and Cable Insulation
Rigid Extrusion Compounds
Low Gels and Contamination
Uniform Plasticizer Absorption
Calendered Goods

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.02	1.00 – 1.04	OxyVinyls 1386
Relative Viscosity	2.37	2.32 – 2.41	Correlation
K Value	70	68 – 70	Correlation
Volatiles (%)	0.05	0.3 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.9	2.5 Max.	OxyVinyls 1502
% Retained on 200 mesh	9.2	18.0 Max.	
% Retained on Pan	1.1	3.0 Max.	
Contamination (#/100gm)	2	12 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	1.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.350	0.310 – 0.380	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.511	0.470 – 0.550	OxyVinyls 1501
Flow Time (s)	8	12 Max.	OxyVinyls 1501
Powder Mix Time (s)	270	250 – 350	OxyVinyls 488
Color (CIELab b*-value)	0.64	0.30 – 0.90	OxyVinyls 1500
Gels (4' mill results)	4	10 Max.	OxyVinyls 1503
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Deer Park Plant
January 2012

OxyVinyls® 255

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Medical and Food Grade Flexible Film and Sheet
Medical and Food Grade Tubing and Molded Devices
Automotive Molding and Profile Applications
Low Gels and Contamination
Uniform Plasticizer Absorption
Wire and Cable Insulation

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.12	1.10 – 1.15	OxyVinyls 1386
Relative Viscosity	2.55	2.51 – 2.61	Correlation
K Value	73	72 – 74	Correlation
Volatiles (%)	0.08	0.30 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.9	2.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	8.9	12.0 Max.	
% Retained on Pan	0.8	2.0 Max.	
Contamination (#/100gm)	4	15 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.07	4.0 Max.	OxyVinyls 1005
Powder Mix Time (s)	329	275 – 390	OxyVinyls 488
Gels (6' mill results)	10	12 Max.	OxyVinyls 1503
Apparent Bulk Density (g/cc)	0.461	0.440 – 0.520	OxyVinyls 1501
Flow Time (s)	8	12 Max.	OxyVinyls 1501
Color (CIELab b* -value)	0.95	0.25 – 1.40	OxyVinyls 1500
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pedricktown Plant
January 2012

OxyVinyls® 255F

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Medical and Food Grade Flexible Film and Sheet
Medical and Food Grade Tubing and Molded Devices
Automotive Molding and Profile Applications
Low Gels and Contamination
Uniform Plasticizer Absorption
Wire and Cable Insulation

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.12	1.10 – 1.15	OxyVinyls 1386
Relative Viscosity	2.55	2.51 – 2.61	Correlation
K Value	73	72 – 74	Correlation
Volatiles (%)	0.08	0.30 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.9	2.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	7.1	12.0 Max.	
% Retained on Pan	0.9	2.0 Max.	
Contamination (#/100gm)	3	15 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.03	4.0 Max.	OxyVinyls 1005
Powder Mix Time (s)	325	275 – 390	OxyVinyls 488
Gels (6' mill results)	8	12 Max.	OxyVinyls 1503
Apparent Bulk Density (g/cc)	0.461	0.440 – 0.520	OxyVinyls 1501
Flow Time (s)	8	12 Max.	OxyVinyls 1501
Color (CIELab b* -value)	0.90	0.25 – 1.40	OxyVinyls 1500
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pedricktown Plant
January 2012

OxyVinyls® 280

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

High Molecular Weight

Excellent Plasticizer Absorption and Dryup

Useful for Calendered and Extruded Materials requiring High Strength, Abrasion Resistance, Fatigue Resistance, Grain Retention, Impact, Cut-through, and Other Physical Properties

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.250	1.230 – 1.270	OxyVinyls 1386
Relative Viscosity	2.80	2.75 – 2.84	Correlation
K Value	78	77 – 79	Correlation
Volatiles (%)	0.08	0.30 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.5	4.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	7.25	12.0 Max.	
% Retained on Pan	0.5	2.0 Max.	
Contamination (#/100gm)	4	15 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.3	2.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.353	0.320 – 0.400	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.473	0.410 – 0.510	OxyVinyls 1501
Flow Time (s)	8	20 Max.	OxyVinyls 1501
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pedricktown Plant
January 2012

OxyVinyls® 310

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

High Molecular Weight

Excellent Plasticizer Absorption and Dryup

Useful for Calendered and Extruded Materials requiring High Strength, Abrasion Resistance, Fatigue Resistance, Grain Retention, Impact, Cut-through, and Other Physical Properties

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.406	1.390 – 1.430	OxyVinyls 1386
Relative Viscosity	3.10	3.07 – 3.17	Correlation
K Value	82	82 – 83	Correlation
Volatiles (%)	0.08	0.30 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.6	4.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	8.1	12.0 Max.	
% Retained on Pan	0.8	2.0 Max.	
Contamination (#/100gm)	3	15 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.2	2.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.381	0.320 – 0.400	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.441	0.380 – 0.490	OxyVinyls 1501
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pedricktown Plant
January 2012

OxyVinyls® 355

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

High Molecular Weight

Excellent Plasticizer Absorption and Dryup

Useful for Calendered and Extruded Materials requiring High Strength, Abrasion Resistance, Fatigue Resistance, Grain Retention, Impact, Cut-through, and Other Physical Properties

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.600	1.570 – 1.630	OxyVinyls 1386
Relative Viscosity	3.56	3.48 – 3.65	Correlation
K Value	88	87 – 89	Correlation
Volatiles (%)	0.08	0.30 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	1.2	4.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	7.2	12.0 Max.	
% Retained on Pan	0.6	2.0 Max.	
Contamination (#/100gm)	3	15 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.3	2.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.405	0.370 – 0.510	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.430	0.390 – 0.480	OxyVinyls 1501
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Pedricktown Plant
January 2012

OxyVinyls® 450F

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Medical and Food Grade Flexible Film and Sheet
Medical and Food Grade Tubing and Molded Devices
Wire and Cable Insulation
Automotive Molding and Profile Applications
Low Gels and Contamination
Uniform Plasticizer Absorption
Drug Master File Listing

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.950	0.930 – 0.970	OxyVinyls 1386
Relative Viscosity	2.24	2.20 – 2.28	Correlation
K Value	67	66 – 67	Correlation
Volatiles (%)	0.05	0.3 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.9	3.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	7.46	16.0 Max.	
% Retained on Pan	0.6	3.0 Max.	
Contamination (#/100gm)	4	12 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.03	1.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.314	0.300 – 0.360	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.521	0.480 – 0.570	OxyVinyls 1501
Flow Time (s)	8	12 Max.	OxyVinyls 1501
Powder Mix Time (s)	273	190 – 320	OxyVinyls 488
Color (CIELab b*-value)	0.60	0.30 – 0.90	OxyVinyls 1500
Gels (4' mill results)	4	10 Max.	OxyVinyls 1503
CAS Number	9002-86-2		

OxyVinyls, LP
Occidental Tower
5005 LBJ Freeway
Dallas, Texas 75244
877-699-8465

Deer Park Plant
January 2012

OxyVinyls® 500F

General Description

Type:	Polyvinyl Chloride Homopolymer
Polymerization Process:	Suspension
Appearance:	White, free flowing powder

Features and Uses:

Medical and Food Grade Flexible Film and Sheet
Medical and Food Grade Tubing and Molded Devices
Wire and Cable Insulation
Low Gels and Contamination
Uniform Plasticizer Absorption
Excellent Color and Clarity

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	1.07	1.05 – 1.09	OxyVinyls 1386
Relative Viscosity	2.45	2.42 – 2.50	Correlation
K Value	71	70 – 72	Correlation
Volatiles (%)	0.05	0.3 Max.	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0.2 Max.	OxyVinyls 1505
% Retained on 60 mesh	0.9	2.0 Max.	OxyVinyls 1502
% Retained on 200 mesh	8.5	18.0 Max.	
% Retained on Pan	0.5	3.0 Max.	
Contamination (#/100gm)	3	16 Max.	OxyVinyls 1504
Residual Monomer (ppm)	0.1	1.0 Max.	OxyVinyls 1005
Porosity (cc/g)	0.341	0.300 – 0.400	OxyVinyls 1094
Apparent Bulk Density (g/cc)	0.523	0.480 – 0.560	OxyVinyls 1501
Flow Time (s)	8	12 Max.	OxyVinyls 1501
Powder Mix Time (s)	304	250 – 350	OxyVinyls 488
Gels (4' mill results)	4	10 Max.	OxyVinyls 1503
CAS Number	9002-86-2		

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Deer Park Plant
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