



About Us

Borouge is a leading provider of innovative, value creating plastics solutions. A joint venture between the Abu Dhabi National Oil Company (ADNOC), one of the world's major oil and gas companies, and Austria based Borealis, a leading provider of chemical and innovative plastics solutions, Borouge is a groundbreaking international partnership at the forefront of the next generation of plastics innovation.

Borouge has its headquarters in the United Arab Emirates and Singapore, employs approximately 1,600 people representing more than 40 nationalities and serves customers in more than 50 countries across the Middle East, Asia-Pacific, Indian sub-continent and Africa.

Building on Borealis' unique Borstar® technology and experience in polyolefins for more than 50 years, Borouge provides innovative, value creating plastics solutions for the infrastructure (pipe systems, and power and communication cables), automotive and advanced packaging markets.

In 2010, Borouge tripled its annual production capacity in Abu Dhabi to 2 million tonnes and an additional 2.5 million tonnes per year is scheduled for completion by the end of 2013 to create the world's largest integrated polyolefins plant. Borouge is also investing in plants and logistics hubs in Asia and an Innovation Centre in Abu Dhabi. Today Borouge and Borealis manufacture over 5.4 million tonnes of polyethylene and polypropylene annually. Focused on Value Creation through Innovation they ensure that their customers throughout the value chain, around the world, can always rely on superior products and security of supply.

Borouge is committed to the principles of Responsible Care® and together with Borealis proactively contributes towards addressing the world's water and sanitation challenges through their Water for the World™ initiative.

Visit www.borouge.com and see how we are Shaping the Future with Plastics.

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Borstar® Polypropylene, Polyethylene moulding and thermoforming applications



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Borouge

SHAPING the FUTURE with PLASTICS

Moulding

Product name	MFR 230°C/ 2.16 g/ 10min	Flexural Modulus (MPa)	Izod Impact (kJ/m ²) RT	Application					Sub-Segment				Conversion			Key performance					Properties				Example			
				Transport Packaging	Caps & Closures	Appliances	Bottles, Containers	Houseware	Thin wall packaging	Standardised closures	Customised closures	Pails	Small appliances	White goods	Injection Moulding	Blow Moulding	Compression Moulding	Stiffness	Impact strength	Controlled torque	Fast cycle	Transparency	Heat resistance	Antistatic agent		Borealis Nucleation Technology	Nucleating agent	Lubricant
PP Homopolymers																												
HD120MO	8	1500	4	●			●				●																	Kitchenware
HE125MO	12	1550	3.5	●			●				●				●													Houseware, closures
HG385MO	25	1750	3.5	●			●				●				●	●	●	●		●	●	●		●	●			Hinge caps, thick houseware parts
HJ325MO	50	1650	2				●	●			●				●						●		●		●			DVD boxes, thin wall packaging
PP Heterophasic Copolymers (Block Copolymers)																												
BC960MO	4	1150	20PB	●	●						●	●									●	●						Large pallets, battery housing, appliance needing impact
BD950MO	7	1400	8.5	●				●			●			●		●	●	●			●	●			●			Caps for CSD, water, juices
BE961MO	12	1200	14	●	●						●			●							●	●						Crates, trays, boxes, pails, high impact
Bormod™ BF970MO	20	1500	9	●	●			●	●		●			●						●	●	●						Crates, trays, boxes, pails, parts requiring creep performance
Borcom™ BG055AI	22	2000	4		●						●	●	●	●						●		●						Aesthetic small appliance and white goods parts
Bormod™ BH975MO	38	1450	8	●				●	●		●	●	●	●						●	●	●		●				Washing machine tubs, pails, houseware
Bormod™ BJ368MO	70	1450	5.5					●	●		●			●	●					●	●							Tubs, long flow length houseware, ice cream container
PP Random Copolymers																												
RB307MO	1.5	900	20PB				●							●												●		Cosmetic, detergent bottles, highly transparent containers
RG460MO	30	1050	6	●			●	●			●			●							●	●				●		Hinge caps, overcaps, transparent boxes, food container, media case
RJ470MO	70	1200	5				●	●			●			●							●	●				●		Thin wall transparent houseware, boxes, food container, media case



Product name	MFR 190°C/ 2.16 g/ 10min	Flexural Modulus (MPa)	Density (kg/m ³)	Application		Sub-Segment		Conversion			Key performance			Properties		Example	
				Caps & Closures	Bottles, Containers	Standardised Closures	Injection Moulding	Blow Moulding	Compression Moulding	Stiffness	ESCR	Controlled torque	Fast cycle	Lubricant			
HDPE																	
Borpure™ MB6561	1.5	950	955	●		●		●		●	●	●	●				Organoleptic closures for mineral water, tea, CSD
Borpure™ MB6562	1.5	950	955	●		●		●		●	●	●	●				Organoleptic closures for CSD, tea
BB2581	0.3	1350	958		●			●		●	●	●	●				Bottles with high ESCR requirements for household industrial chemicals and food



Sheet and Thermoforming

Product name	MFR 230°C/ 2.16 g/ 10min	Flexural Modulus (MPa)	Melting range °C	Conversion				Application					Key performance					Properties			Example	
				CPP	Blow Film (air cooled)	Thermoforming	Sheet	Lamination	Food Packaging	Labels	Freezer Packaging	Bubble Stability	High Clarity	Stiffness	Sealability	Retort	Sterilisable	Borealis Nucleation Technology	Nucleating agent	Stearate		
PP Homopolymers																						
HC205TF	4	1700	166			●	●	●											●		●	High clarity and glossy trays, cups and container
PP Heterophasic Copolymers (Block Copolymers)																						
Borpact™ BC918CF	3	1400	166	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	Stand up pouches (easy tear), Coextrusion, MAP/ vegetable trays, Food packaging, Lamination/ Labelling film
PP Random Copolymers																						
Borclear™ RB707CF	1.5	800	145	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	Food and high clarity packaging film, FFS, Sealing layer in Coextrusion, Lamination/Textile films

