

Iran Petrochemical (PCC) BL 4M HM 8355 High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

Material Notes:

BL4M is a high density polyethylene with 1-Butene as co monomer. It is high molar mass, easily processable, high stiffness and strength, good SCR, very good molding surface finish. Applications: jerry can, general purpose grade for large containers. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-BL-4M-HM-8355-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ISO 1183
Environmental Stress Crack Resistance	5.0 hour @Pressure 3.50 MPa	5.0 hour @Pressure 508 psi	ISO CD 16770
Melt Flow	0.35 g/10 min @Load 5.00 kg, Temperature 190 Â°C	0.35 g/10 min @Load 11.0 lb, Temperature 374 Â°F	ISO 1133
	9.5 g/10 min @Load 21.6 kg, Temperature 190 Â°C	9.5 g/10 min @Load 47.6 lb, Temperature 374 Â°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ISO 868
Tensile Stress	34.0 MPa	4930 psi	at Break; ISO 527
Tensile Strength, Yield	26.0 MPa	3770 psi	ISO 527
Elongation at Break	>= 800 %	>= 800 %	ISO 527
Elongation at Yield	10 %	10 %	ISO 527
Tensile Modulus	1.20 GPa	174 ksi	ISO 527
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Softening Point	80.0 Â°C	176 Â°F	ISO 306
Brittleness Temperature	>= -80.0 Â°C	>= -112 Â°F	ASTM D746-72

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
Swelling Ratio, %	>115	min. DIN 19537-2

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China