

Borealis MG9601 Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

MG9601 is a natural high-density polyethylene with high melt-index and narrow molecular weight distribution, which is produced in a low-pressure gas-phase process. The grade is characterized by excellent flow properties, minor distortion and high stiffness. Applications: House ware and thin wall packaging. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-MG9601-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	
Melt Flow	31 g/10 min @Load 2.16 kg, Temperature 190 °C	31 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ISO 868
Tensile Strength, Yield	25.0 MPa	3630 psi	50mm/min; ISO 527-2
Elongation at Yield	9.0 %	9.0 %	50mm/min; ISO 527-2
Tensile Modulus	1.05 GPa	152 ksi	1mm/min; ISO 527-2
Charpy Impact, Notched	0.300 J/cm ² @Temperature 23.0 °C	1.43 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA
	0.300 J/cm ² @Temperature -20.0 °C	1.43 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	71.0 °C	160 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 240 °C	356 - 464 °F	
Mold Temperature	10.0 - 40.0 °C	50.0 - 104 °F	

Descriptive Properties	Value	Comments
Hold Pressure	as low as possible	
Injection Velocity	as high as possible	

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