

SABIC MG500026 Linear Low Density Polyethylene for Compounding

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Compounding Resin

Material Notes:

Product Description: MG500026 is a Linear Low Density Polyethylene grade with a narrow molecular weight distribution primarily suitable for compounding applications. It is in the powder form and has been designed to exhibit excellent flow properties with better low temperature toughness, stress crack resistance and high gloss. **Typical Applications:** MG500026 is recommended for carpet backing, metal coating and compounding for masterbatch production. Information provided by SABIC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-MG500026-Linear-Low-Density-Polyethylene-for-Compounding.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in ³	load density; ASTM D1505
ESCR 100% Igepal®	6.0 hour	6.0 hour	F50; ASTM D1693B
ESCR 10% Igepal®	3.0 hour	3.0 hour	F50; ASTM D1693B
Melt Flow	50 g/10 min @Load 2.16 kg, Temperature 190 °C	50 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D2240
Tensile Strength at Break	8.00 MPa	1160 psi	ASTM D638
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Elongation at Break	>= 350 %	>= 350 %	ASTM D638
Flexural Strength	8.00 MPa	1160 psi	ASTM D790
Flexural Modulus	0.200 GPa	29.0 ksi	ASTM D790
1% Secant Modulus	240 MPa	34800 psi	ASTM D638
Izod Impact, Notched	5.00 J/cm	9.37 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	88.0 °C	190 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

Processing Properties	Metric	English	Comments
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Mold Temperature Processing Properties	15.0 - 60.0 °C Metric	59.0 - 140 °F English	Comments
Injection Pressure	60.0 - 100 MPa	8700 - 14500 psi	

Contact Songhan Plastic Technology Co.,Ltd.

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