

LG Chemical SEETEC BF500 LDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

Characteristics: Good Processability and Good Optical Properties Additives: Antiblocking Agent, Slip Agent Applications: Industrial Film & Food Package CAS No. 9002-88-4 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-BF500-LDPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 - 0.922 g/cc	0.918 - 0.922 g/cc	ASTM D1505
Melt Flow	2.7 - 3.3 g/10 min @Load 2.61 kg, Temperature 190 Â°C	2.7 - 3.3 g/10 min @Load 5.75 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	12.3 MPa	1780 psi	500mm/min; ASTM D638
Film Elongation at Break, MD	300 %	300 %	500 mm/min; ASTM D638
Film Elongation at Break, TD	550 %	550 %	500 mm/min; ASTM D638
Elongation at Break	600 %	600 %	500 mm/min; ASTM D638
2% Secant Modulus	1.10 GPa	160 ksi	500mm/min; ASTM D638
Elmendorf Tear Strength MD	350 g	350 g	ASTM D1922
Elmendorf Tear Strength TD	180 g	180 g	ASTM D1922
Dart Drop Test	60.0 g	0.132 lb	ASTM D1709
Film Tensile Strength at Break, MD	25.5 MPa	3700 psi	500mm/min, Ultimate; ASTM D638
Film Tensile Strength at Break, TD	22.5 MPa	3260 psi	500mm/min, Ultimate; ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	105 Â°C	221 Â°F	10Â°C/min; ASTM D3418
Vicat Softening Point	90.0 Â°C	194 Â°F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM D1003
Gloss	95 %	95 %	45Â°; ASTM D2457

Optical Properties	Metric	English	Comments
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