

LyondellBasell Lupolen® 4152 D SW 00413 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

Material Notes:

Data was collected by ISO methods and originally provided by BASF. The Lupolen® product line is now produced by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Lupolen-4152-D-SW-00413-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	
Water Absorption	0.010 %	0.010 %	
Melt Flow	0.285 g/10 min	0.285 g/10 min	
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.0 MPa	3190 psi	
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	8.0 %	8.0 %	
Tensile Modulus	0.800 GPa	116 ksi	
Tensile Impact Strength	140 kJ/m ²	66.6 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	69.0 °C	156 °F	
Deflection Temperature at 1.8 MPa (264 psi)	41.0 °C	106 °F	
Vicat Softening Point	72.0 °C	162 °F	
Flammability, UL94	HB	HB	
	@Thickness 0.400 mm	@Thickness 0.0157 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	

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