

Premix Thermoplastics PRE-ELEC® PE 1308 (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , LLDPE

Material Notes:

PRE-ELEC PE 1308 is a conductive thermoplastic compound based on a blend of PE-LD/PE-LLD. Conductivity is achieved by using special conductive carbon black. In addition to a low electrical resistivity PRE-ELEC PE 1308 has excellent mechanical properties and is suitable for film blowing. Typical applications include blown film for the production of bags for electronic components and other products sensitive to static electricity. Information provided by Premix Thermoplastics Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Premix-Thermoplastics-PRE-ELEC-PE-1308-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	
Thickness	406 microns	16.0 mil	
Melt Flow	1.7 g/10 min @Load 5.00 kg, Temperature 190 °C	1.7 g/10 min @Load 11.0 lb, Temperature 374 °F	ISO 1133
High Load Melt Index	35 g/10 min @Load 21.6 kg, Temperature 190 °C	35 g/10 min @Load 47.6 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	21.0 MPa	3050 psi	ISO 527
Film Tensile Strength at Yield, TD	15.0 MPa	2180 psi	ISO 527
Film Elongation at Break, MD	590 %	590 %	ISO 527
Film Elongation at Break, TD	600 %	600 %	ISO 527
Film Elongation at Yield, MD	13 %	13 %	ISO 527
Film Elongation at Yield, TD	17 %	17 %	ISO 527
Film Tensile Strength at Break, MD	24.0 MPa	3480 psi	ISO 527
Film Tensile Strength at Break, TD	22.0 MPa	3190 psi	ISO 527

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1e+05	<= 1e+05	ISO D-257

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Blow-up Ratio (BUR)	>= 180	>= 180	
Drying Temperature	90.0 °C @Time 10800 sec	194 °F @Time 3.00 hour	If stored for longer than 1 year
Moisture Content	<= 0.15 %	<= 0.15 %	When Produced
Shelf Life	12.0 Month	12.0 Month	Normal Storing Conditions

Descriptive Properties	Value	Comments
Appearance	Granule	
Color	Black	
Screen Pack	As coarse as possible	

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