BASF Polystyrol® 2710 Impact Grade Polystyrene (Europe)

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

Special high-impact grade for refrigerators and the packaging sector. Particularly resistant to stress cracking.Data was collected by ISO methods and provided by BASF.

Order this product through the following link:
http://www.lookpolymers.com/polymer_BASF-Polystyrol-2710-Impact-Grade-Polystyrene-Europe.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in³	
Water Absorption	0.10 %	0.10 %	
Moisture Absorption at Equilibrium	0.10 %	0.10 %	
Linear Mold Shrinkage, Flow	0.0055 cm/cm	0.0055 in/in	
Melt Flow	4.0 g/10 min @Load 5.00 kg, Temperature 200 °C	4.0 g/10 min @Load 11.0 lb, Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.0 MPa	3050 psi	
Elongation at Break	35 %	35 %	
Elongation at Yield	1.7 %	1.7 %	
Tensile Modulus	1.50 GPa	218 ksi	
Charpy Impact Unnotched	NB	NB	
	12.0 J/cm²	57.1 ft-lb/in²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.00 J/cm²	4.76 ft-lb/in²	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	100 µm/m-°C @Temperature 20.0 °C	55.6 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	87.0 °C	189 °F	
Deflection Temperature at 1.8 MPa (264 psi)	78.0 °C	172 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	HB @Thickness 3.18 mm	HB @Thickness 0.125 in	
Oxygen Index	18 %	18 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	
Dielectric Constant	2.5 @Frequency 100 Hz	2.5 @Frequency 100 Hz	
	2.5 @Frequency 1e+6 Hz	2.5 @Frequency 1e+6 Hz	
Dissipation Factor	0.00010 @Frequency 1e+6 Hz	0.00010 @Frequency 1e+6 Hz	
Comparative Tracking Index	500 V	500 V	

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