

Plastcom SLOVASTER® C FRU 2 PBT, flame retarder

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Flame Retardant

Material Notes:

FeaturesPC with the flame retardant on the basis of bromine hydrocarbons. Anisotropy of shrinkage enables the injection moulding of round, cylindrical or other hole products. Application in engineering, electrical and automotive industry. High mechanical properties also in conditioned state. Delivered in natural mode and in the full RAL colour scale. Packaging, transport, stockingThe product is packed in hermetically closed thick-walled 25 kg PE bags, on a 1.000 kg palette coated in a stretch foil, in big bags with a thick PE foil fixed on a 1.000 kg palette, in paper octabins with a thick PE foil fixed on a 1.000 kg palette or in other packaging according to customer requirements. The transport is provided in closed-up vehicles where the material is protected against movement and mechanical damage. The product requires stocking in closed-up, dry places protected against sun and thermal radiation. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plastcom-SLOVASTER-C-FRU-2-PBT-flame-retarder.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0065 cm/cm	0.0065 in/in	
Melt Flow	15 g/10 min @Load 0.325 kg, Temperature 270 °C	15 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	
Elongation at Break	5.0 %	5.0 %	
Tensile Modulus	2.70 GPa	392 ksi	
Flexural Strength	100 MPa	14500 psi	
Flexural Modulus	2.60 GPa	377 ksi	
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	
	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Melting Point	240 °C	464 °F	

Thermal Properties	Metric	English	Comments
Strength at 1.8 MPa (264 psi)			
Vicat Softening Point	110 °C	230 °F	B
Flammability, UL94	V-0 @Thickness 1.00 mm	V-0 @Thickness 0.0394 in	
Glow Wire Test	960 °C	1760 °F	at 1 mm

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	250 V	250 V	

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 270 °C	464 - 518 °F	
Mold Temperature	80.0 - 90.0 °C	176 - 194 °F	
Drying Temperature	120 °C	248 °F	
Dry Time	4 hour	4 hour	
Moisture Content	0.050 %	0.050 %	
Injection Pressure	60.0 - 100 MPa	8700 - 14500 psi	

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