

Polytron® P40B03
Polypropylene+LGF

Product Description:
Polytron P40B03 is Black, 40% Long Glass Fiber Reinforced, Heat Stabilized POLYPROPYLENE, The Glass Fibers are Chemically Coupled to the Polymer Matrix, The material is supplied in pellets that are typically 12mm in length. Fiber length is the length of the pellets. Typical applications include Structural Automotive Applications ,

For Under the Hood,Passengers' compartment parts Applications

Product Information:

Characteristic	Unit	Test method	Property value
Physical			
Density	g/cm ³	ISO 1183	1.22
Mold Shrinkage Flow 2mm	%	Internal	0.1-0.15
Mold Shrinkage X Flow 2mm	%	Internal	0.25-0.3
Mechanical			
Flexural Modulus	MPa	ISO 178	9000
Flexural Strength	MPa	ISO 178	165
Strain at Break	%	ISO 527-2/1A	2.2
Strain at Break 80C	%	ISO 527-2/1A	2.7
Tensile Modulus	MPa	ISO 527-2/1A	9000
Tensile Modulus 80C	MPa	ISO 527-2/1A	6000
Tensile Strength	MPa	ISO 527-2/1A	115
Tensile Strength 80C	MPa	ISO 527-2/1A	75
Impact			
Notched Charpy Impact	kJ/m ²	ISO179-1/1eA	26
Notched Charpy Impact @-40C Edgewise	kJ/m ²	ISO179-1/1eA	29
Un Notched Charpy Impact	kJ/m ²	ISO179-1/1eU	65
Un Notched Charpy Impact @-40C Edgewise	kJ/m ²	ISO179-1/1eU	75
Thermal			
HDT 0.45MPa	°C	ISO-75	158
HDT 1.8MPa	°C	ISO-75	156
Melting Point	°C	ISO 11357-3	168

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Characteristic	Unit	Test method	Property value
Flammability			
Flammability FMVSS302	mm/min	FMVSS 302	0-100
Flammability HB 3mm		UL-94	HB

Regulations:**ROHS2:** ROHS Compliance**SVHC:** SVHC Compliance**Conflict Minerals:** Compliance**Pre Drying Temperature:** 80°C**Pre Drying Duration:** 2-4 Hours**Processing recommendations:****Recommended Mold Temperature:** 50-70°C**Feed:** 220-240°C**Zone 1:** 230-250°C**Zone 2:** 230-250°C**Zone 3:** 230-250°C**Revision #: 1****Revision Date: 21 Jul 2016**

The technical data contained herein are guides to use Polyram resins. Information contained herein is to the best knowledge, true and assure. The customer is nevertheless obliged to run an incoming material control.