

Polytron® P60B11-S

Polypropylene+LGF

Product Description:

Polytron P60B11-S is a chemically coupled 60% Long Glass Fibers reinforced black Polypropylene concentrated based on ultra-high flow resin. The material is supplied in pellets that are typically 12 mm in length. Fiber length is the length of the pellets. Typical Applications for Polytron P60B11-S include: structural parts, under the hood, safety, interior and exterior. The below data represents Polytron P60B11-S 60% long glass fibers Polypropylene diluted with neat hPP to 30% glass fibers. (50% POLYTRON and 50% Neat PPH)

Product Information:

Characteristic	Unit	Test method	Property value
Physical			
Density	g/cm ³	ISO 1183	1.12
Mold Shrinkage Flow 2mm	%	INTERNAL	0.1-0.2
Mold Shrinkage X Flow 2mm	%	INTERNAL	0.2-0.4
Mechanical			
Flexural Modulus	MPa	ISO 178	6700
Flexural Strength	MPa	ISO 178	160
Strain at Break 80C	%	ISO 527-2/1A	2.2
Tensile Modulus	MPa	ISO 527-2/1A	7000
Tensile Modulus 80C	MPa	ISO 527-2/1A	5400
Tensile Strength	MPa	ISO 527-2/1A	110
Tensile Strength 80C	MPa	ISO 527-2/1A	70
Impact			
Notched Charpy Impact @-40C Edgewise	kJ/m ²	ISO179-1/1eA	24
Notched Charpy Impact Edgewise	kJ/m ²	ISO179-1/1eA	22
Un Notched Charpy Impact @-40C Edgewise	kJ/m ²	ISO179-1/1eU	45
Un Notched Charpy Impact Edgewise	kJ/m ²	ISO179-1/1eU	60
Thermal			
HDT 1.8MPa	°C	ISO-75	157
Melting Point	°C	ISO 11357-3	165

Characteristic	Unit	Test method	Property value
Flammability			
Flammability FMVSS302	mm/min	FMVSS 302	<100
Flammability HB 3mm		UL-94	HB
G.W.F.I (750)	°C	IEC 60695	750

Regulations:

Molding Guide:

Processing recommendations:

Revision #: 2
Revision Date: 28 Oct 2020

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.