Pocan® BF4130XF

PBT-GF30 Envalior

Product Texts
PBT, 30 % glass fibres, injection moulding, flame retardant, improved flowability

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	**17**	cm³/10min	ISO 1133
Temperature	**260**	°C	-
Load	**2.16**	kg	-
Molding shrinkage, parallel	**0.3**	%	ISO 294-4, 2577
Molding shrinkage, normal	**0.8**	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**10500**	MPa	ISO 527
Stress at break	**130**	MPa	ISO 527
Strain at break	**2.2**	%	ISO 527
Charpy impact strength, +23°C	**55**	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	**50**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**10**	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	**10**	kJ/m²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**228**	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**205**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**220**	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	**V-0**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Burning behav. at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	**200**	-	IEC 60112

Other properties	Value	Unit	Test Standard
Density	**1620**	kg/m³	ISO 1183

Material specific properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	**62**	cm³/g	ISO 307, 1157, 1628

Test specimen production	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	**250**	°C	ISO 294
Injection Molding, mold temperature	**80**	°C	ISO 294

Characteristics

Processing
Injection Molding

Special Characteristics
Flame retardant

Delivery form
Pellets

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa