Durethan BG30XXF 000000

PA6-(GF+GB)30 Envalior

ISO 16396-PA 6,(GB GF)30,GR,S10-050
PA 6, 30 % glass fibers/glass spheres, injection molding, improved flowability, improved surface finish, low tendency to warp

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	5200 / 2600	MPa	ISO 527
Stress at Break	85 / 45	MPa	ISO 527
Strain at Break	3.2 / 6.9	%	ISO 527
Impact Strength (Charpy), +23°C	50 / 55	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	40 / 35	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	- / 10	kJ/m²	ISO 179/1eA

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	185 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	210 / *	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	40 / *	E-6/K	ISO 11359-1/-2
Coeff. of Linear Therm. Expansion, normal	110 / *	E-6/K	ISO 11359-1/-2

Electrical Properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	475 / -	-	IEC 60112

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1320 / -	kg/m³	ISO 1183

Characteristics

Processing
Injection Molding

Features
Low Warpage

Delivery form
Pellets

Disclaimer

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