



Technical Datasheet: PBT 5020

Product Description:

PBT 5020 is a polybutylene terephthalate featuring high rigidity as well as excellent processability and chemical resistance.

Applications:

Injection molding of electronic and electrical parts Extrusion applications.

Typical data:

PROPERTY	TEST METHOD	UNIT	VALUE
Density	ISO 1183	g/cm ³	1.31
Molding Shrinkage			
Across Flow:0.0787 in		%	0.8
Flow : 0.0787in		%	0.9
Water Absorption (Saturation. 73°F)		%	0.10
Tensile Modulus	ISO 527-2	psi	370000
Tensile Stress (Yield)	ISO 527-2	psi	7400
Tensile Strain (Yield)	ISO 527-2	%	4.0
Nominal Tensile strain Break	ISO 527-2	%	> 200
Flexural Modulus	ISO 178	psi	334000
Flexural Stress	ISO 178	psi	11000
Charpy Notched Impact Strength (73°F)	ISO 179	ft-lb/in ²	2.4
Charpy Unnotched Impact Strength (73°F)	ISO179	-	No Break
Heat Deflection Temperature (66psi. Unannealed)	ISO 75-2/B	°F	311
Heat Deflection Temperature (264 psi. Unannealed)	ISO 75-2/A	°F	149

* Typical values not to be construed as specifications.