

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/cm3	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	37000
(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	33400
Flexural Stress	ISO 178	psi	11000
Charpy Notched (Impact Strength (73°F	ISO 179	ft-lb/in2	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 *

