

Pibiter® HI A1301 NAT001

Polybutylene Terephthalate

SO.F.TER. SPA

Message:

PBT/PC alloy, high impact properties, low fluidity

General Information			
Features	High Impact Resistance		
	Low Flow		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	3.5	g/10 min	ASTM D1238
Molding Shrinkage	1.8	%	Internal Method
Water Absorption (23°C, 24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1550	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	32.0	MPa	
Break	35.0	MPa	
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	1550	MPa	ASTM D790
Flexural Strength	50.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	850	J/m	
23°C	900	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	70.0	°C	ASTM D648
Vicat Softening Temperature	117	°C	ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating (0.750 mm)	HB		UL 94
NOTE			

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Recommended distributors for this material

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