

Politer NAT

Polybutylene Terephthalate

Poliblend S.p.a.

Message:

Politer NAT is a Polybutylene Terephthalate (PBT) material. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America. Primary attribute of Politer NAT: Flame Rated.

General Information			
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.31	g/cm ³	ISO 1183
Molding Shrinkage	1.6 to 2.0	%	
Water Absorption (23°C, 24 hr)	0.080	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2
Tensile Stress (Yield)	55.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	60	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	4.5	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	180	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Continuous Use Temperature ¹	120	°C	
Vicat Softening Temperature	190	°C	ISO 306/A120
Ball Pressure Test (165°C)	Pass		IEC 60695-10-2
Melting Temperature	225	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	HB		
1.60 mm	HB		
3.20 mm	HB		
Glow Wire Flammability Index (2.00 mm)	850	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	120 to 130	°C	

Drying Time	> 3.0	hr
Processing (Melt) Temp	230 to 250	°C
Mold Temperature	60.0 to 80.0	°C

NOTE

1. Without Load

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

