

Later 4E61

Polybutylene Terephthalate

LATI S.p.A.

Message:

Compound based on Polybutylene Terephthalate (PBT).

Toughened.

Very high impact resistance even at low temperature.

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
	Low Temperature Impact Resistance		
	Ultra High Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Molding Shrinkage ¹			ISO 294-4
Across Flow : 2.00 mm	1.8 to 2.1	%	
Flow : 2.00 mm	1.8 to 2.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2/1
23°C	1900	MPa	
60°C	600	MPa	
90°C	300	MPa	
120°C	200	MPa	
Tensile Stress (Yield, 23°C)	40.0	MPa	ISO 527-2/5
Tensile Strain (Yield, 23°C)	7.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	10	kJ/m ²	
23°C	15	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	No Break		
23°C	No Break		
Notched Izod Impact (23°C, 3.20 mm)	140	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	115	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Continuous Use Temperature ²	120	°C	
Vicat Softening Temperature	145	°C	ISO 306/B50

CLTE - Flow (30 to 100°C)	1.0E-4	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Drying Temperature	110 to 130	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	230 to 245	°C	
Mold Temperature	70.0 to 90.0	°C	
Injection Rate	Moderate		
NOTE			
1.	at 60 MPa of cavity pressure		
2.	20,000 hr		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

