

Pibifor® K2 GF/50 NERO

Polybutylene Terephthalate

SO.F.TER. SPA

Message:

50% glass fiber reinforced, heat stabilized PBT grade

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.71	g/cm ³	ASTM D792
Molding Shrinkage	1.7	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	0.40	%	
Equilibrium, 23°C, 50% RH	0.10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15500	MPa	ASTM D638
Tensile Strength (Break)	50.0	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	13000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	215	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	110	°C	
Drying Time	3.0	hr	
Rear Temperature	250	°C	
Middle Temperature	260	°C	
Front Temperature	270	°C	

Mold Temperature	80.0 to 100	°C
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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

