

4TECH® 9KF20400 I

Polycarbonate + PBT
4Plas

Message:

4TECH 9KF20400 I is a Standard Flow UV Stabilised Impact Modified PBT / Polycarbonate Blend

General Information			
Additive	Impact modifier		
Features	Impact modification		
	Good UV resistance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Molding Shrinkage			
Vertical flow direction	1.0	%	
Flow direction	1.0	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Moisture Content	< 1000	ppm	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2250	MPa	ISO 527-2/5
Tensile Stress (Yield, 23°C)	55.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	> 50	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	25	kJ/m ²	ISO 180/1A
23°C	55	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	No Break		ISO 180/1U
23°C	No Break		ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	110	°C	ISO 75-2/B
1.8 MPa, not annealed	90.0	°C	ISO 75-2/A
Melting Temperature ²	125	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
0.750 mm	HB	UL 94
1.60 mm	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	230 - 270	°C
Mold Temperature	50.0 - 110	°C
Injection Rate	Moderate-Fast	
Holding Pressure	40.0 - 80.0	MPa
Screw Speed	300	rpm
Injection instructions		
Feed Throat Temperature: 50 - 70 °C Back Pressure: Low		
NOTE		
1.	24 Hrs	
2.	10 K/min	

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

