

4TECH® 9G22750 H

Polyphthalamide
4Plas

Message:

4TECH 9G22750 H is a Standard Flow 50% Carbon Fibre Reinforced Heat Stabilised PPA

General Information			
Filler / Reinforcement	Carbon fiber reinforced material, 50% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.49	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	1.3	%	ISO 62
Moisture Content	< 2000	ppm	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	35000	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	280	MPa	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	10	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	285	°C	ISO 75-2/A
Melting Temperature ²	315	°C	ISO 11357
Flammability	Nominal Value	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	4.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	320 - 340	°C	
Mold Temperature	140 - 180	°C	
Injection Rate	Fast		
Holding Pressure	40.0 - 80.0	MPa	
Screw Speed	200	rpm	
Injection instructions			
Feed Throat Temperature: 60 - 80 °CBack 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

