

4PET® 9L32320 HL

Polyethylene Terephthalate

4Plas

Message:

4PET 9L32320 HL is a High Flow 20% Glass Fibre & Bead Reinforced Heat Stabilised, Lubricated PET

General Information			
Filler / Reinforcement	Micro glass bead \glass fiber, 20% filler by weight		
Additive	heat stabilizer Lubricant		
Features	High liquidity Thermal Stability Lubrication		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm ³	ISO 1183
Molding Shrinkage			
Vertical flow direction	1.0	%	
Flow direction	0.30	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Moisture Content	< 8000	ppm	ISO 960
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	6500	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	80.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	2.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	5.0	kJ/m ²	ISO 180/1A
23°C	6.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	145	°C	ISO 75-2/B
1.8 MPa, not annealed	120	°C	ISO 75-2/A
Vicat Softening Temperature	215	°C	ISO 306/B
Melting Temperature ²	250	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093

Volume Resistivity	1.0E+14	ohms·cm	IEC 60093
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		UL 94
1.60 mm	HB		UL 94
Glow Wire Ignition Temperature (2.00 mm)	650	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	270 - 290	°C	
Mold Temperature	90.0 - 140	°C	
Injection Rate	Fast		
Holding Pressure	60.0 - 100	MPa	
Screw Speed	200	rpm	
Injection instructions			
Feed Throat Temperature: 50 - 70 °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



WECHAT