

4DUR® 9K22140

Polybutylene Terephthalate
4Plas

Message:

4DUR 9K22140 is a Standard Flow 40% Glass Fibre Reinforced PBT

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.65	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	11000	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	150	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	1.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	7.0	kJ/m ²	ISO 180/1A
23°C	9.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	215	°C	ISO 75-2/B
Vicat Softening Temperature	215	°C	ISO 306/B
Melting Temperature ²	225	°C	ISO 11357
Flammability	Nominal Value	Unit	Test Method
Flame Rating (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	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.040	%	
Processing (Melt) Temp	250 - 270	°C	
Mold Temperature	60.0 - 100	°C	
Injection Rate	Fast		
Holding Pressure	40.0 - 80.0	MPa	
Screw Speed	200	rpm	
Injection instructions			
Feed Throat Temperature: 50 - 70 °CBack Pressure: Low			
NOTE			

1.	24 Hrs
2.	10 K/min

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Recommended distributors for this material

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