4DUR® 9K23100 I

Polybutylene Terephthalate

4Plas

Message:

4DUR 9K23100 I is a Standard Flow FR-V0 High Impact PBT

General Information			
Features	Impact resistance, high		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.42	g/cm³	ISO 1183
Water Absorption [1] (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C)	3000	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	55.0	MPa	ISO 527-2/5
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ISO 180/1A
-30°C	6.0	kJ/m²	ISO 180/1A
23°C	8.0	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	165	°C	ISO 75-2/B
Melting Temperature [2]	225	°C	ISO 11357
Electrical	**Nominal Value**	**Unit**	**Test Method**
Comparative Tracking Index	225	V	IEC 60112
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Injection	**Nominal Value**	**Unit**	
Drying Temperature	120	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.040	%	
Processing (Melt) Temp	240 - 260	°C	
Mold Temperature	60.0 - 100	°C	
Injection Rate	Moderate-Fast		
Holding Pressure	40.0 - 80.0	MPa	
Screw Speed	300	rpm	
Injection instructions			
Feed Throat Temperature: 50 - 70 °CBack Pressure: Low			
NOTE			

1.	24 Hrs
2.	10 K/min

Recommended distributors for this material

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