

4DUR® 9K34200 H

Polybutylene Terephthalate

4Plas

Message:

4DUR 9K34200 H is a High flow Medium Impact Heat Stabilised PBT

General Information			
Additive	heat stabilizer		
Features	High liquidity		
	Thermal Stability		
	Medium impact resistance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (270°C/2.16 kg)	100	g/10 min	ISO 1133
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)	1750	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	45.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	25	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Notched Izod Impact			ISO 180/1A
-30°C	8.0	kJ/m ²	ISO 180/1A
-20°C	7.0	kJ/m ²	ISO 180/1A
23°C	10	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength (23°C)	No Break		ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ²	225	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms · cm	IEC 60093
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

1.60 mm	HB	UL 94
3.20 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	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 °C Back Pressure: Low		
NOTE		
1.	24 Hrs	
2.	10 K/min	

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