

4PROP® 9D13500

Polypropylene Homopolymer
4Plas

Message:

4PROP 9D13500 is a MFI 10 Halogen Free FR-V0 Homopolymer Polypropylene

General Information			
Features	Homopolymer		
	Halogen-free		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2500	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	25.0	MPa	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	3.0	kJ/m²	ISO 180/1A
23°C	4.0	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Melting Temperature ¹	170	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	V-2		UL 94
1.60 mm	V-0		UL 94
Glow Wire Ignition Temperature (1.00 mm)	960	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 240	°C	
Mold Temperature	20.0 - 50.0	°C	
Injection Rate	Moderate-Fast		
Holding Pressure	40.0 - 80.0	MPa	
Screw Speed	400	rpm	
Injection instructions			

Feed Throat Temperature: 20 - 60 °C Back Pressure: Low

NOTE

1. 10 K/min

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