4PROP® 9D10400 H

Polypropylene Homopolymer

4Plas

Message:

4PROP 9D10400 H is a MFI 10 UV Stabilised Heat Stabilised Homopolymer Polypropylene

General Information			
Additive	heat stabilizer UV stabilizer		
Features	Homopolymer Good UV resistance Thermal Stability		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.05	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 (1.60 mm)	HB		UL 94
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 °CBack Pressure: Low

NOTE	
1.	10 K/min

Recommended distributors for this material

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