

4PROP® 9C19300 FR3

Polypropylene Copolymer
4Plas

Message:

4PROP 9C19300 FR3 is a MFI 6 Conductive FR-V2 Copolymer Polypropylene

General Information			
Features	Conductivity		
	Copolymer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.990	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1250	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	25.0	MPa	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 (23°C)	60	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	90.0	°C	ISO 75-2/B
1.8 MPa, not annealed	50.0	°C	ISO 75-2/A
Melting Temperature ¹	160	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+4	ohms	IEC 60093
Volume Resistivity	< 1.0E+4	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		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 °C Back Pressure: Low

NOTE

1. 10 K/min

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