

4PROP® 9C19300

Polypropylene Copolymer
4Plas

Message:

4PROP 9C19300 is a MFI 9 Conductive Copolymer Polypropylene

General Information			
Features	Conductivity		
	Copolymer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1300	MPa	ISO 527-2/5
Tensile Stress (Break, 23°C)	20.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	10	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	45.0	°C	ISO 75-2/A
Melting Temperature ¹	165	°C	ISO 11357
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+3	ohms	IEC 60093
Volume Resistivity	< 1.0E+3	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.750 mm	HB		UL 94
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			

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Recommended distributors for this material

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