

Ferro PP MPP20FJ11NA

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP MPP20FJ11NA is a Polypropylene Homopolymer (PP Homopolymer) material filled with 21% mica. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Ferro PP MPP20FJ11NA: Homopolymer.

General Information			
Filler / Reinforcement	Mica,21% Filler by Weight		
Features	Homopolymer		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	27	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.4	%	
Across Flow	1.7	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	29.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	8.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	2050	MPa	
Tangent : 23°C	2520	MPa	
Flexural Strength (23°C)	44.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Unnotched Izod Impact (23°C)	340	J/m	ASTM D4812
Gardner Impact (23°C)	0.565	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	121	°C	
1.8 MPa, Unannealed	65.6	°C	
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	204 to 213	°C	
Middle Temperature	210 to 216	°C	
Front Temperature	216 to 218	°C	

Nozzle Temperature	218 to 227	°C
Mold Temperature	43.3 to 57.2	°C
Back Pressure	0.345 to 0.689	MPa

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Recommended distributors for this material

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