

Ferro PP TPP20AN85NA

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP TPP20AN85NA is a Polypropylene Homopolymer (PP Homopolymer) material filled with 21% talc. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Ferro PP TPP20AN85NA are:

Heat Stabilizer

Homopolymer

Typical application of Ferro PP TPP20AN85NA: Automotive

General Information			
Filler / Reinforcement	Talc,21% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Homopolymer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.3	%	
Across Flow	1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	28.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	25	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	1870	MPa	
Tangent : 23°C	2070	MPa	
Flexural Strength (23°C)	42.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Unnotched Izod Impact (23°C)	670	J/m	ASTM D4812
Gardner Impact (23°C)	12.4	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	122	°C	
1.8 MPa, Unannealed	65.6	°C	

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