

Ferro PP TPP20AA11BK

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP TPP20AA11BK 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 blow molding. Primary attribute of Ferro PP TPP20AA11BK: Homopolymer.
Typical application of Ferro PP TPP20AA11BK: Automotive

General Information			
Filler / Reinforcement	Talc,21% Filler by Weight		
Features	Homopolymer		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.6	%	
Across Flow	1.8	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	35.9	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	25	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	2230	MPa	
Tangent : 23°C	2580	MPa	
Flexural Strength (23°C)	53.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Unnotched Izod Impact (23°C)	590	J/m	ASTM D4812
Gardner Impact (23°C)	0.825	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	127	°C	
1.8 MPa, Unannealed	73.9	°C	

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