

Ferro PP TPP20AD88UL-NA

Polypropylene
Ferro Corporation

Message:

Ferro PP TPP20AD88UL-NA is a Polypropylene material filled with 20% talc. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Ferro PP TPP20AD88UL-NA: Homopolymer.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	General Purpose		
	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)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.6	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.2	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength (Yield)	51.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	640	J/m	ASTM D256
Gardner Impact	0.678	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	132	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	204 to 210	°C	
Middle Temperature	210 to 213	°C	
Front Temperature	213 to 216	°C	
Nozzle Temperature	216 to 218	°C	
Mold Temperature	43.3 to 54.4	°C	
Back Pressure	0.138 to 0.345	MPa	
Screw Speed	100 to 150	rpm	

Clamp Tonnage	2.8 to 4.1	kN/cm ²
Screw L/D Ratio	20.0:1.0	
Screw Compression Ratio	2.0:1.0	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

