

Ferro PP TPP20AN17BK

Polypropylene
Ferro Corporation

Message:

Ferro PP TPP20AN17BK 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.

Important attributes of Ferro PP TPP20AN17BK are:

Good Dimensional Stability

Impact Modified

Impact Resistant

Typical application of Ferro PP TPP20AN17BK: Automotive

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Additive	Impact Modifier		
Features	General Purpose		
	Good Dimensional Stability		
	Good Impact Resistance		
	Impact Modified		
Uses	Automotive Applications		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection 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)	9.0	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.5	%	
Across Flow	1.8	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	31.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	15	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	2140	MPa	
Tangent : 23°C	2380	MPa	
Flexural Strength (23°C)	49.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Unnotched Izod Impact (23°C)	500	J/m	ASTM D4812
Gardner Impact (23°C)	1.13	J	ASTM D5420

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	124	°C	
1.8 MPa, Unannealed	71.1	°C	
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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

