

# Ferro PP TPP20AF01HB YELLOW

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP TPP20AF01HB YELLOW is a polypropylene homopolymer (PP Homopoly) material, which contains 23% talc filler. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding. The main characteristics of Ferro PP TPP20AF01HB YELLOW are: homopolymer.

General Information			
Filler / Reinforcement	Talc filler, 23% filler by weight		
Features	Homopolymer		
Appearance	Yellow		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.5	%	ASTM D955
Transverse flow	1.7	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	32.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	20	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2210	MPa	ASTM D790
Tangent: 23°C	2650	MPa	ASTM D790
Flexural Strength (23°C)	50.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	37	J/m	ASTM D256
Unnotched Izod Impact (23°C)	480	J/m	ASTM D4812
Dart Drop Impact (23°C)	2.26	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	121	°C	ASTM D648
1.8 MPa, not annealed	68.3	°C	ASTM D648

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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

