

Ferro PP TPP40AE56AL ALMOND

Polypropylene Homopolymer

Ferro Corporation

Message:

Ferro PP TPP40AE56AL ALMOND is a Polypropylene Homopolymer (PP Homopolymer) material filled with 40% talc. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Ferro PP TPP40AE56AL ALMOND are:

Heat Stabilizer

Homopolymer

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Homopolymer		
Appearance	Almond		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.1	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.1	%	
Across Flow	1.3	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	33.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	6.0	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	3260	MPa	
Tangent : 23°C	4410	MPa	
Flexural Strength (23°C)	54.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256
Unnotched Izod Impact (23°C)	260	J/m	ASTM D4812
Gardner Impact (23°C)	0.791	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	136	°C	
1.8 MPa, Unannealed	82.8	°C	

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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

