

Zhongfa PP ZF-T40

Polypropylene

Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa PP ZF-T40 is a polypropylene material, which contains 40% talc filler. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of Zhongfa PP ZF-T40 are:

high gloss

insulation

Good dimensional stability

Heat resistance

Typical application areas include:

electrical appliances

Furniture

General Information			
Filler / Reinforcement	Talc filler, 40% filler by weight		
Features	Good dimensional stability		
	Highlight		
	Insulation		
	Good liquidity		
	Heat resistance, medium		
Uses	Electrical appliances		
	Furniture		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60 - 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	41.0	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	2800	MPa	ASTM D790
Flexural Strength	42.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	160	°C	ASTM D648
1.8 MPa, not annealed	140	°C	ASTM D648

Additional Information

Aging Resistance at 150°C: 750 hrNotched Izod Impact, ASTM D256: 3.5 kJ/m²Unnotched Izod Impact, ASTM D256: 14 kJ/m²

Injection	Nominal Value	Unit
Drying Temperature	90.0 - 95.0	°C
Drying Time	2.0 - 3.0	hr
Processing (Melt) Temp	195 - 225	°C
Mold Temperature	45.0 - 80.0	°C
Injection Pressure	60.0 - 90.0	MPa

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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

