

Zhongfa PP pp6

Polypropylene

Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa PP pp6 is a polypropylene material and contains 20% mineral fillers. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of Zhongfa PP pp6 are:

high gloss

insulation

Good dimensional stability

chemical resistance

Heat resistance

Typical application areas include:

Electrical/electronic applications

electrical appliances

Furniture

Automotive Industry

General Information			
Filler / Reinforcement	Mineral filler, 20% filler by weight		
Features	Good dimensional stability		
	Highlight		
	Insulation		
	Good liquidity		
	Good chemical resistance		
Uses	Heat resistance, high		
	Electrical/Electronic Applications		
	Electrical appliances		
	Furniture		
Forms	Application in Automobile Field		
	Particle		
	Injection molding		
	Processing Method		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	3.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 - 1.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	98		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	38.0	MPa	ASTM D638
Tensile Elongation (Break)	7.0	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790

Flexural Strength	38.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	140	°C	ASTM D648
1.8 MPa, not annealed	130	°C	ASTM D648

Additional Information

Aging Resistance at 150°C: 750 hrNotched Izod Impact, ASTM D256: 4.5 kJ/m²Unnotched Izod Impact, ASTM D256: 22 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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