

# Zhongfa PP pp9

Polypropylene

Yuyao Zhongfa Engineering Plastics Co. Ltd.

## Message:

Zhongfa PP pp9 is a polypropylene material, and the filler is 20% glass fiber reinforced material. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of Zhongfa PP pp9 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	Glass fiber reinforced material, 20% filler by weight		
Features	Good dimensional stability		
	Highlight		
	Insulation		
	Good liquidity		
	Good chemical resistance		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Furniture		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.80 - 1.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	55.0	MPa	ASTM D638
Flexural Strength	75.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	140	°C	ASTM D648
Additional Information			
Aging Resistance at 150°C: 1100 hrNotched Izod Impact, ASTM D256: 8 kJ/m <sup>2</sup> Unnotched Izod Impact, ASTM D256: 38 kJ/m <sup>2</sup>			
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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#### Recommended distributors for this material

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