

# Zhongfa PP pp5

Polypropylene

Yuyao Zhongfa Engineering Plastics Co. Ltd.

## Message:

Zhongfa PP pp5 is a polypropylene material. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of Zhongfa PP pp5 are:

high gloss

chemical resistance

Heat resistance

The typical application field of Zhongfa PP pp5 is: automotive industry

General Information			
Features	Highlight		
	Good liquidity		
	Good chemical resistance		
	Heat resistance, high		
Uses	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.8	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	47		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	23.0	MPa	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Flexural Modulus	700	MPa	ASTM D790
Flexural Strength	25.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Additional Information			
Aging Resistance at 150°C: >500 hrNotched Izod Impact, ASTM D256: 30 kJ/m <sup>2</sup> Unnotched Izod Impact, ASTM D256: No Break			
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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