

# Zhongfa PA66 ST-12

Polyamide 66

Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa PA66 ST-12 is a polyamide 66 (nylon 66) material. This product is available in the Asia-Pacific region and is processed by injection molding. The main characteristics of Zhongfa PA66 ST-12 are: impact resistance.  
Typical application areas include:  
Electrical/electronic applications  
electrical appliances  
Furniture  
Automotive Industry  
Sporting goods

General Information			
Features	Impact resistance, high		
	Low temperature impact resistance		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
	Furniture		
	Application in Automobile Field		
	Sporting goods		
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)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	57.0	MPa	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Flexural Modulus	1050	MPa	ASTM D790
Flexural Strength	75.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Additional Information			
Notched Izod Impact, ASTM D256: 19 kJ/m <sup>2</sup>			
Injection	Nominal Value	Unit	
Drying Temperature	85.0 - 90.0	°C	

Drying Time	6.0 - 8.0	hr
Processing (Melt) Temp	235 - 265	°C
Mold Temperature	60.0 - 90.0	°C
Injection Pressure	60.0 - 100	MPa

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