

# Zhongfa PP FR-38

Polypropylene

Yuyao Zhongfa Engineering Plastics Co. Ltd.

## Message:

Zhongfa PP FR-38 is a polypropylene material and contains a 15% filler. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of Zhongfa PP FR-38 are:

flame retardant/rated flame

Flame Retardant

Typical application areas include:

Electrical/electronic applications

electrical appliances

General Information			
UL YellowCard	E228261-100120174		
Filler / Reinforcement	Filler, 15% filler by weight		
Additive	Flame retardancy		
Features	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Electrical appliances		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	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	30.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	1800	MPa	ASTM D790
Flexural Strength	42.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	135	°C	ASTM D648
Vicat Softening Temperature	153	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Additional Information			
Notched Izod Impact, ASTM D256: 3.5 kJ/m <sup>2</sup>			

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