

Zhongfa ABS FR-G

Acrylonitrile Butadiene Styrene
Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa ABS FR-G is an acrylonitrile butadiene styrene (ABS) material, and its 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 ABS FR-G are:

flame retardant/rated flame

Flame Retardant

high liquidity

Typical application areas include:

Electrical/electronic applications

electrical appliances

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Additive	Flame retardancy		
Features	High liquidity		
	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 ³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	85.0	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	4500	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	101	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		UL 94
3.20 mm	V-0		UL 94
Additional Information			

Notched Izod Impact, ASTM D256: 8 kJ/m²

Injection	Nominal Value	Unit
Drying Temperature	80.0 - 85.0	°C
Drying Time	2.0 - 3.0	hr
Processing (Melt) Temp	195 - 225	°C
Mold Temperature	40.0 - 80.0	°C
Injection Pressure	60.0 - 90.0	MPa

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