

# Zhongfa ABS GR-10

Acrylonitrile Butadiene Styrene  
Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa ABS GR-10 is an acrylonitrile butadiene styrene (ABS) material, and its filler is 10% 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 GR-10 are:

- high strength
- Good processability
- Good dimensional stability
- Heat resistance

Typical application areas include:

- electrical appliances
- Furniture
- Automotive Industry

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Good dimensional stability		
	High strength		
	Workability, good		
	Good liquidity		
	Heat resistance, high		
Uses	Electrical appliances		
	Furniture		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	80.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	3500	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Additional Information			

Notched Izod Impact, ASTM D256: 14 kJ/m<sup>2</sup>Unnotched Izod Impact, ASTM D256: 27 kJ/m<sup>2</sup>

Injection	Nominal Value	Unit
Drying Temperature	80.0 - 85.0	°C
Drying Time	2.0 - 3.0	hr
Processing (Melt) Temp	200 - 225	°C
Mold Temperature	40.0 - 80.0	°C
Injection Pressure	60.0 - 90.0	MPa

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

