

Zhongfa ABS FR-N

Acrylonitrile Butadiene Styrene
Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa ABS FR-N is an acrylonitrile butadiene styrene (ABS) material. This product is available in the Asia-Pacific region and is processed by injection molding.

The main features of Zhongfa ABS FR-N are:

- flame retardant/rated flame
- Flame Retardant
- Heat resistance
- Impact resistance

Typical application areas include:

- electrical appliances
- Automotive Industry

General Information			
Additive	Flame retardancy		
Features	Impact resistance, good		
	Heat resistance, high		
	Thermal stability, good		
	Flame retardancy		
Uses	Electrical appliances		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	45.0	MPa	ASTM D638
Flexural Modulus	3000	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	105	°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: 15 kJ/m ² Unnotched Izod Impact, ASTM D256: No Break		
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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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

