

Zhongfa ABS NR

Acrylonitrile Butadiene Styrene
Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa ABS NR 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 NR are:

Heat resistance

Impact resistance

Typical application areas include:

electrical appliances

Automotive Industry

General Information			
Features	Impact resistance, good		
	Heat resistance, high		
	Thermal stability, good		
Uses	Electrical appliances		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	3.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 - 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	45.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D648
Vicat Softening Temperature	120	°C	ASTM D1525
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Additional Information			
Notched Izod Impact, ASTM D256: 50 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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