

Zhongfa ABS FR-765

Acrylonitrile Butadiene Styrene
Yuyao Zhongfa Engineering Plastics Co. Ltd.

Message:

Zhongfa ABS FR-765 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-765 are:

- flame retardant/rated flame
- Flame Retardant
- high liquidity

Typical application areas include:

- Electrical/electronic applications
- electrical appliances

General Information			
UL YellowCard	E228261-229890		
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	1.18	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	2.2	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	38.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	62.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.2	°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 (3.20 mm)	V-0		UL 94

Additional Information

Notched Izod Impact, ASTM D256: 12 kJ/m²Unnotched 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	195 - 225	°C
Mold Temperature	40.0 - 80.0	°C
Injection Pressure	60.0 - 90.0	MPa

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