

KumhoSunny PA/ABS HNB0250FR

Acrylonitrile Butadiene Styrene + Nylon

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HNB0250FR is high chem-resistance and flame retardant PA/ABS resin. HNB0250FR is mainly used in automobile inner decoration, air change tube, switch, air-condition vent grill, damping system, garden tools, power tools housings, electronic weightier etc.

General Information			
UL YellowCard	E254819-625402		
Features	Flame Retardant		
	Good Chemical Resistance		
Uses	Automotive Interior Parts		
	Housings		
	Lawn and Garden Equipment		
	Power/Other Tools		
	Switches		
	Tubing		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	20 to 30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	45.0	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Flexural Strength	62.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.60 mm)	V-0	UL 94
Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	230 to 240	°C
Mold Temperature	60.0 to 80.0	°C

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