

KumhoSunny ABS HGX4400Z

Acrylonitrile Butadiene Styrene
Shanghai KumhoSunny Plastics Co., Ltd.

Message:
HGX4400Z is Injection grade ABS resin. HGX4400Z has a HDT110°C and low gloss. HGX4400Z is mainly used in instrument panel, radiator grille, hair dryer, coffee pot, etc.

General Information			
Features	Low Gloss		
Uses	Automotive Applications		
	Consumer Applications		
	Electrical/Electronic Applications		
	Household Goods		
UL File Number	E254819		
	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	46.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength	62.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	120	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	IEC 60093
Volume Resistivity	> 1.0E+14	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	80.0 to 95.0	°C
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	< 0.050	%
Rear Temperature	220 to 240	°C
Middle Temperature	230 to 250	°C
Front Temperature	240 to 260	°C
Nozzle Temperature	250 to 270	°C
Processing (Melt) Temp	240 to 260	°C
Mold Temperature	50.0 to 80.0	°C
Back Pressure	1.00 to 5.00	MPa
Screw Speed	30 to 70	rpm

NOTE

1. Rate B (120°C/h)

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