KumhoSunny ABS HGX4300

Acrylonitrile Butadiene Styrene

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HGX4300 is Injection grade ABS resin with ultra-super heat resistance property.HGX4300 is mainly used in instrument panel, radiator grille, hair dryer, coffee pot, etc.

General Information			
Features	High Heat Resistance		
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	1.08	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	47.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2500	MPa	ASTM D790
Flexural Strength	65.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	120	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	120	°C	ASTM D648
Vicat Softening Temperature	130	°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	200 to 220	°C
Middle Temperature	210 to 230	°C
Front Temperature	220 to 240	°C
Nozzle Temperature	230 to 250	°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)

Recommended distributors for this material

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