

# KumhoSunny PPO HSP8340GNH

Polyphenylene Ether + PS  
Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HSP8340GNH is non-halogen high gloss PS/PPO resin. HSP8340GNH has excellent creep performance in low and high temperature, low water absorption,high flow and high shape resistance property. HSP8340GNH is mainly used in electron & electric parts, OA appliance, fluid engineering,etc.

General Information			
Features	Good Creep Resistance		
	Halogen Free		
	High Flow		
	High Gloss		
	Low to No Water Absorption		
Uses	Appliances		
	Electrical Parts		
	Electrical/Electronic Applications		
UL File Number	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	40 to 60	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	52.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	2380	MPa	ASTM D790
Flexural Strength	78.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	90.0	°C	ASTM D1525 <sup>1</sup>
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
Additional Information	Nominal Value	
CSA File No.	LS 66457	
Injection	Nominal Value	Unit
Drying Temperature	90.0 to 110	°C
Drying Time	2.0 to 3.0	hr
Suggested Max Moisture	0.10	%
Rear Temperature	230 to 240	°C
Middle Temperature	240 to 250	°C
Front Temperature	250 to 265	°C
Nozzle Temperature	250 to 260	°C
Processing (Melt) Temp	240 to 270	°C
Mold Temperature	50.0 to 80.0	°C
Back Pressure	0.200 to 0.800	MPa
Screw Speed	20 to 100	rpm
NOTE		

1. Rate B (120°C/h)

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#### Recommended distributors for this material

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