KumhoSunny PPO HSP8370NH

Polyphenylene Ether + PS

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HSP8370NH is non-halogen high heat resistance PS/PPO resin. HSP8370NH has excellent creep performance in low and high temperature, low water absorption, high heat resistance and high shape resistance property. HSP8370NH is mainly used in electron & electric parts, OA appliance, fluid engineering,etc.

General Information			
Features	Good Creep Resistance Halogen Free High Heat Resistance 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/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	2.0 to 4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	72.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	2560	MPa	ASTM D790
Flexural Strength	95.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.20 mm)	240	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	140	°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 (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	250 to 260	°C
Front Temperature	260 to 270	°C
Nozzle Temperature	255 to 265	°C
Processing (Melt) Temp	260 to 290	°C
Mold Temperature	50.0 to 80.0	°C
Back Pressure	2.00 to 6.00	MPa
Screw Speed	40 to 60	rpm
NOTE		
1.	Rate B (120°C/h)	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT