

KumhoSunny PPO HPP8430G

Polyphenylene Ether + PS

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

HPP8430G is 20%GF reinforced PS/PPE resin. HPP8430G has high heat resistance. HPP8430G is mainly used in electron & electric parts, OA appliance, fluid engineering,etc.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	High Heat Resistance		
Uses	Electrical Parts		
	Electrical/Electronic Applications		
UL File Number	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	3.0 to 5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	70.0	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	5220	MPa	ASTM D790
Flexural Strength	110	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 (0.45 MPa, Unannealed)	160	°C	ASTM D648
Vicat Softening Temperature	165	°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)	HB		UL 94
Additional Information	Nominal Value		
CSA File No.	LS 66457		
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 110	°C	

Drying Time	3.0 to 6.0	hr
Suggested Max Moisture	0.10	%
Rear Temperature	240 to 250	°C
Middle Temperature	265 to 275	°C
Front Temperature	280 to 290	°C
Nozzle Temperature	270 to 280	°C
Processing (Melt) Temp	240 to 260	°C
Mold Temperature	60.0 to 90.0	°C
Back Pressure	2.00 to 6.00	MPa
Screw Speed	40 to 60	rpm

NOTE

1. Rate B (120°C/h)

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