

KumhoSunny PPO HPP8340

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

Message:
HPP8340 is general purpose PS/PPE resin. HPP8340 has high heat resistance. HPP8340 is mainly used in automobile inner & outer decorations, fluid engineering,etc.

General Information			
Features	General Purpose		
	High Heat Resistance		
Uses	Automotive Exterior Parts		
	Automotive Interior Parts		
	General Purpose		
UL File Number	E65424		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.980	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	9.0 to 14	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.60 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	40.0	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	1510	MPa	ASTM D790
Flexural Strength	45.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	320	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	150	°C	ASTM D648
Vicat Softening Temperature	115	°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	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	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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