

**HSP8340NH**

(PS+PPO)

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	57.5	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Tensile Strength	42	MPa	ASTM D 638
Elongation at Break	35	%	ASTM D 638
Flexural Modulus	2110	MPa	ASTM D 790
Flexural Strength	62	MPa	ASTM D 790
Izod Impact notched, 1/8 in	340	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	78	°C	ASTM D 648
Vicat Temperature	88	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Volume resistivity	1E15	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1090	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 110	°C	-
Pre-drying - Time	3 - 6	h	-
Processing humidity	≤0.1	%	-
Melt temperature	240 - 270	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	230 - 240	°C	-
Zone 2	240 - 250	°C	-
Zone 3	250 - 260	°C	-
Nozzle temperature	250 - 255	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.2 - 0.8	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

Asia Pacific

**Applications**

Electrical and Electrical, General Purpose