

HSP8370NH

(PS+PPO)

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	3	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
ASTM Data			
Tensile Strength	72	MPa	ASTM D 638
Elongation at Break	15	%	ASTM D 638
Flexural Modulus	2560	MPa	ASTM D 790
Flexural Strength	95	MPa	ASTM D 790
Izod Impact notched, 1/8 in	235	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	120	°C	ASTM D 648
Vicat Temperature	140	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2

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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 110	°C	-
Pre-drying - Time	2 - 3	h	-
Processing humidity	≤0.1	%	-
Melt temperature	260 - 290	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	230 - 240	°C	-
Zone 2	250 - 260	°C	-
Zone 3	260 - 270	°C	-
Nozzle temperature	255 - 265	°C	-
Screw speed	40 - 60	rpm	-
Back pressure	2 - 6	MPa	-

Characteristics**Special Characteristics**

Halogen-free, Heat stabilized or stable to heat

Regional Availability

Asia Pacific

Applications

Electrical and Electronical