

**HFA471**

ABS

Shanghai Kumho Sunny Plastics Co., Ltd.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>50</b>	g/10min	ASTM D 1238
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
Mold Shrinkage, MD	<b>0.0045</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	<b>40</b>	MPa	ASTM D 638
Elongation at Break	<b>15</b>	%	ASTM D 638
Flexural Modulus	<b>2100</b>	MPa	ASTM D 790
Flexural Strength	<b>55</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>220</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>1.6</b>	mm	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	<b>1E14</b>	Ohm*m	IEC 62631-3-1
Surface resistivity	<b>1E14</b>	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	<b>1160</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80 - 90</b>	°C	-
Pre-drying - Time	<b>2 - 3</b>	h	-
Processing humidity	<b>≤0.05</b>	%	-
Melt temperature	<b>210 - 230</b>	°C	-
Mold temperature	<b>40 - 80</b>	°C	-
Zone 1	<b>200 - 210</b>	°C	-
Zone 2	<b>210 - 220</b>	°C	-
Zone 3	<b>210 - 225</b>	°C	-
Nozzle temperature	<b>210 - 225</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>1 - 5</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Applications**

IT / Business Machine, Electrical and Electronical

**Special Characteristics**

Heat stabilized or stable to heat

**Regional Availability**

Asia Pacific