

**ER875**

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>20</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>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Tensile Strength at Yield	<b>47</b>	MPa	ASTM D 638
Elongation at Yield	<b>35</b>	%	ASTM D 638
Flexural Modulus	<b>2200</b>	MPa	ASTM D 790
Flexural Strength	<b>72</b>	MPa	ASTM D 790
Rockwell Hardness	<b>100</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>270</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
UL 94 Flame rating	<b>HB</b>	-	UL 94
DTUL @ 264 psi	<b>85</b>	°C	ASTM D 648
<b>Other properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Density	<b>1050</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
Pre-drying - Temperature	<b>80 - 90</b>	°C	-
Pre-drying - Time	<b>3 - 4</b>	h	-
Processing humidity	<b>≤0.05</b>	%	-
Melt temperature	<b>200 - 230</b>	°C	-
Mold temperature	<b>50 - 80</b>	°C	-
Zone 1	<b>190 - 210</b>	°C	-
Zone 2	<b>200 - 230</b>	°C	-
Zone 3	<b>200 - 220</b>	°C	-
Nozzle temperature	<b>200 - 220</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

Refrigeration

**Special Characteristics**

High impact or impact modified

**Regional Availability**

Asia Pacific