

722

(PMMA+ABS)

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	25	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength	52	MPa	ASTM D 638
Elongation at Break	20	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Flexural Strength	70	MPa	ASTM D 790
Izod Impact unnotched, 1/8 in	150	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 264 psi	86	°C	ASTM D 648
Vicat Temperature	96	°C	ASTM D 1525
<b>Electrical properties</b>			
<b>ISO Data</b>			
Volume resistivity	1E15	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
<b>Other properties</b>			
Density	1080	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	200 - 230	°C	-
Mold temperature	40 - 80	°C	-
Zone 1	190 - 210	°C	-
Zone 2	200 - 220	°C	-
Zone 3	220 - 230	°C	-
Nozzle temperature	200 - 230	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	1 - 5	MPa	-

## Characteristics

### Processing

Injection Molding

### Special Characteristics

High impact or impact modified

### Features

High Gloss, Scratch Resistant

### Regional Availability

Asia Pacific