

PC-M

PC

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	60	MPa	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	300	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-2	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	110	°C	ASTM D 648
Vicat Temperature	125	°C	ASTM D 1525
Electrical properties			
ISO Data			
Volume resistivity	1E15	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Other properties			
Density	1200	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.03	%	-
Melt temperature	250 - 265	°C	-
Mold temperature	85 - 95	°C	-
Zone 1	250 - 260	°C	-
Zone 2	240 - 265	°C	-
Zone 3	240 - 260	°C	-
Nozzle temperature	240 - 250	°C	-
Screw speed	40 - 55	rpm	-
Back pressure	0.3 - 1	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific