

PC3603

PC

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Strength	65	MPa	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Flexural strength	75	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	60	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	15	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	55	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength	65	MPa	ASTM D 638
Elongation at Break	110	%	ASTM D 638
Flexural Modulus	2300	MPa	ASTM D 790
Flexural Strength	80	MPa	ASTM D 790
Izod Impact notched, 1/8 in	550	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	121	°C	ISO 75-1/-2
Vicat softening temperature, B	140	°C	ISO 306
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 264 psi	130	°C	ASTM D 648
Electrical properties			
ISO Data			
Volume resistivity	1E15	Ohm*m	IEC 62631-3-1
Surface resistivity	>1E15	Ohm	IEC 62631-3-2
Optical properties			
ASTM Data			
Haze	99	%	ASTM D 1003
Light Transmittance	40	%	ASTM D 1003
Other properties			
Density	1200	kg/m ³	ISO 1183
Density	1200	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	100 - 120	°C	-
Pre-drying - Time	4 - 6	h	-
Processing humidity	≤0.02	%	-
Melt temperature	265 - 310	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	240 - 270	°C	-
Zone 2	250 - 290	°C	-
Zone 3	265 - 310	°C	-

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Nozzle temperature	260 - 310	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.2 - 0.8	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Special Characteristics

U.V. stabilized or stable to weather