

770

ABS

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	10	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	45	MPa	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2200	MPa	ASTM D 790
Flexural Strength	45	MPa	ASTM D 790
Izod Impact notched, 1/8 in	270	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	88	°C	ASTM D 648
Vicat Temperature	97	°C	ASTM D 1525
Electrical properties			
ISO Data			
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2
Other properties			
Density	1040	kg/m ³	ASTM D 792
Processing Recommendation Extrusion			
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	190 - 220	°C	-
Mold temperature	30 - 50	°C	-
Zone 1	170 - 190	°C	-
Zone 2	180 - 200	°C	-
Zone 3	190 - 220	°C	-
Nozzle temperature	180 - 210	°C	-

Characteristics

Processing

Profile Extrusion, Other Extrusion

Regional Availability

Asia Pacific

Applications

General Purpose