

790S

ABS

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	2.5	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0045	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	37	MPa	ASTM D 638
Elongation at Break	70	%	ASTM D 638
Flexural Modulus	1500	MPa	ASTM D 790
Flexural Strength	50	MPa	ASTM D 790
Izod Impact notched, 1/8 in	420	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 264 psi	80	°C	ASTM D 648
Vicat Temperature	91	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Surface resistivity	1E14	Ohm	IEC 62631-3-2

Other properties	Value	Unit	Test Standard
Density	1020	kg/m ³	ASTM D 792

Processing Recommendation Extrusion	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	200 - 230	°C	-
Mold temperature	50 - 80	°C	-
Zone 1	170 - 190	°C	-
Zone 2	180 - 200	°C	-
Zone 3	190 - 220	°C	-
Nozzle temperature	200 - 230	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Regional Availability

Asia Pacific

Special Characteristics

High impact or impact modified