

SX-301

PMMA

Suzhou Double Elephant Optical Material Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	14	g/10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	68	MPa	ISO 527
Strain at break	4	%	ISO 527
Charpy notched impact strength, +23°C	1.2	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	90	°C	ISO 75-1/-2
Vicat softening temperature, B	97	°C	ISO 306

Electrical properties	Value	Unit	Test Standard
Other Standards^[5]			
Volume resistivity	1E14	Ohm*m	GB/T1410
Surface resistivity	1E16	Ohm	GB/T1410

S: These properties are reported by the producer according standards that are different to our defaults.

Optical properties	Value	Unit	Test Standard
Other Standards^[5]			
Light Transmittance	93	%	ISO 13468
Index of Refraction	1.49	-	ISO 489

S: These properties are reported by the producer according standards that are different to our defaults.

Other properties	Value	Unit	Test Standard
Water absorption	0.3	%	Sim. to ISO 62
Density	1190	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion, Casting

Delivery form

Pellets

Special Characteristics

Transparent

Chemical Resistance

Acid Resistance, Alkali Resistance, General Chemical Resistance

Regional Availability

Asia Pacific