

SX-304

PMMA

Suzhou Double Elephant Optical Material Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	2	g/10min	ISO 1133
Temperature	230	°C	-
Load	3.8	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	78	MPa	ISO 527
Strain at break	6	%	ISO 527
Charpy notched impact strength, +23°C	1.8	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	101	°C	ISO 75-1/-2
Vicat softening temperature, B	108	°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

Heat stabilized or stable to heat, Transparent

Features

Light Guiding

Chemical Resistance

Acid Resistance, Alkali Resistance, General Chemical Resistance

Applications

Electrical and Electronical

Regional Availability

Asia Pacific