



Polymethyl Methacrylate (PMMA)

SX-7S

Items	Test standards	unit	Data
Optical Properties			
Refractive index	ISO489	-	1.49
Transmittance	ISO13468-1	%	93
Fuzzy Coefficient(Haze)	ISO-14782	%	0.3
Thermal properties			
Coefficient of linear thermal expansion	ISO11359-2	1/°C	8×10 ⁻⁵
Vicat Softening temperature (VST)	ISO306	°C	106
Load heat distortion temperature 1.82Mpa	ISO75-2	°C	96
230 °C 3.8 kg melt flow index (MFI)	ISO 1133	g/10min	6.2
Mechanical properties			
Tensile Modulus	ISO 527-2	Mpa	3200
Tensile strength	ISO 527-2	Mpa	73
Elongation @ Break	ISO 527-2	%	3.5
Charpy impact strength	ISO 179-1	KJ/m2	20
Other properties			
Density	ISO 1183	-	1.19
Water absorption	ISO 62	%	0.3
Flame retardant	UL 94	-	HB

***The above data is accurate and reliable, but it's only a representative sample of data**