



Polymethyl Methacrylate (PMMA)

SX-KC1

Items	Test standards	Unit	Data
Optical properties			
Refractive index	ISO489	-	1.49
Transmittance	ISO13468-1	%	90
Fuzzy Coefficient(Haze)	ISO-14782	%	< 2
Thermal properties			
Coefficient of linear thermal expansion	ISO11359-2	1/	7×10^{-5}
Vicat Softening temperature (VST)	ISO306		99
Load heat distortion temperature 1.82Mpa	ISO75-2		92
230 °C 3.8 kg melt flow index (MFI)	ISO 1133	g/10min	4
Mechanical properties			
Tensile Modulus	ISO 527-2	Mpa	2600
Stress @ Break	ISO 527-2	Mpa	65
Yield strain	ISO 178	MPa	4
Charpy impact strength	ISO 179-1	KJ/m2	50
Other properties			
Density	ISO 1183	-	1.17
Molding shrinkage	ISO 294-4	%	0.2-0.6
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**