



Polymethyl Methacrylate (PMMA)

SX-KCT3

Items	Test standards	Unit	Data
Optical Properties			
Refractive index	ISO489	-	1.49
Transmittance	ISO13468-1	%	91
Fuzzy Coefficient (Haze)	ISO-14782	%	< 2
Thermal Properties			
Coefficient of linear thermal expansion	ISO11359-2	1/°C	7×10 ⁻⁵
230°C 3.8 kg melt flow index (MFI)	ISO 1133	g/10min	2
Mechanical Properties			
Tensile Modulus	ISO 527-2	MPa	2500
Stress @ Break	ISO 527-2	MPa	60
Yield strain	ISO 178	MPa	5
Charpy impact strength	ISO 179-1	KJ/m ²	110
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