General

Property	Standard	Unit	Value
Density	ASTM D792	g/cm³	1.20
Water absorption	ASTM D570	%	0.3
Pencil hardness	JIS K 5400	-	HB
Light transmission	ASTM D1003	%	approx. 80
Refractive index	ASTM D542	-	1.58
Specific heat capacity	-	kJ/kg°C	~1.1

Mechanical

Property	Standard	Unit	Value
Tensile strength (rupture)	ASTM D638	N/mm²	64.7
Elongation at break (ultimate)	ASTM D638	%	100
E-Modulus	ASTM D638	N/mm²	2200
Flexural strength (rupture)	ISO 178	MPa	93.2
Impact strength (notched Izod)	ASTM D256	J/m	847
Coefficient of friction (to steel)	ISO 8295	-	0.55

Electric

Property	Standard	Unit	Value
Surface resistance (coating)	ASTM D257	Ω/□	$10^{\wedge 6} – 10^{\wedge 7}$
Electro static discharge (ESD)	MIL B-81705B	s	< 0.1
Volume resistivity (PC substrate, typical)	DIN/IEC 60093	Ω·cm	10^15
Relative permittivity (typical)	DIN/IEC 60250	-	2.7
Dissipation factor 50/60Hz (typical)	DIN/IEC 60250	-	0.001

Thermal

Property	Standard	Unit	Value
Max. continuous temperature	-	°C	120
Heat distortion temperature (HDT)	ASTM D648	°C	135
Thermal conductivity	DIN 52612	W/mK	0.20
Linear coefficient of expansion	ASTM D696	1/°C	$7 \times 10^{\wedge -5}$

Temperature Range

Temperature	Unit	Value
Min. operating temperature	°C	-20
Max. operating temperature	°C	120