

LAPEROS™ E480i

LCP-GF

Polyplastics

Mechanical properties

	Value	Unit	Test Standard
ISO Data			
Flexural modulus, 23°C	16000	MPa	ISO 178
Flexural strength	200	MPa	ISO 178
Charpy notched impact strength, +23°C	35	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 70	-	ISO 2039-2

ASTM Data			
Tensile Strength	160	MPa	ASTM D 638

Thermal properties

	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	270	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	285	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Yellow Card available	yes	-	-

Electrical properties

	Value	Unit	Test Standard
ISO Data			
Relative permittivity, 1MHz	4	-	IEC 62631-2-1
Dissipation factor, 1MHz	300	E-4	IEC 62631-2-1
Volume resistivity	1E14	Ohm*m	IEC 62631-3-1
Electric strength	42	kV/mm	IEC 60243-1
Comparative tracking index	150	-	IEC 60112

ASTM Data			
Arc Resistance	143	s	ASTM D 495

Other properties

	Value	Unit	Test Standard
Density	1710	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

Flame retardant

Regional Availability

Asia Pacific