

LAPEROS™ S140M

LCP-GF40

Polyplastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Flexural modulus, 23°C	12900	MPa	ISO 178
Flexural strength	190	MPa	ISO 178
Charpy notched impact strength, +23°C	9	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 85	-	ISO 2039-2
ASTM Data			
Tensile Strength	120	MPa	ASTM D 638
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	310	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Yellow Card available	yes	-	-
Electrical properties			
ISO Data			
Relative permittivity, 1MHz	3.8	-	IEC 62631-2-1
Dissipation factor, 1MHz	100	E-4	IEC 62631-2-1
Volume resistivity	4E14	Ohm*m	IEC 62631-3-1
Electric strength	37	kV/mm	IEC 60243-1
Comparative tracking index	150	-	IEC 60112
ASTM Data			
Arc Resistance	154	s	ASTM D 495
Other properties			
Density	1700	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

Flame retardant, Heat stabilized or stable to heat

Regional Availability

Asia Pacific