

LAPEROS™ S135

LCP-GF35

Polyplastics

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Flexural modulus, 23°C	16000	MPa	ISO 178
Flexural strength	220	MPa	ISO 178
Charpy notched impact strength, +23°C	12	kJ/m ²	ISO 179/1eA
Rockwell hardness	M 90	-	ISO 2039-2
ASTM Data			
Tensile Strength	155	MPa	ASTM D 638
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	340	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	340	°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	2E14	Ohm*m	IEC 62631-3-1
Electric strength	40	kV/mm	IEC 60243-1
Comparative tracking index	150	-	IEC 60112
ASTM Data			
Arc Resistance	138	s	ASTM D 495
Other properties			
Density	1660	kg/m ³	ISO 1183

Characteristics**Special Characteristics**

Flame retardant, Heat stabilized or stable to heat

Regional Availability

Asia Pacific