

**LAPEROS™ S471**

LCP-(MD+GF)45

Polyplastics

**Mechanical properties**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Flexural modulus, 23°C	<b>12700</b>	MPa	ISO 178
Flexural strength	<b>180</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>6</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>M 75</b>	-	ISO 2039-2

**ASTM Data**

Tensile Strength	<b>130</b>	MPa	ASTM D 638
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**Thermal properties**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>315</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>335</b>	°C	ISO 75-1/-2
Burning behav. at thickness h	<b>V-0</b>	class	IEC 60695-11-10
Yellow Card available	<b>yes</b>	-	-

**Electrical properties**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Relative permittivity, 1MHz	<b>4</b>	-	IEC 62631-2-1
Dissipation factor, 1MHz	<b>100</b>	E-4	IEC 62631-2-1
Volume resistivity	<b>1E14</b>	Ohm*m	IEC 62631-3-1
Electric strength	<b>40</b>	kV/mm	IEC 60243-1
Comparative tracking index	<b>150</b>	-	IEC 60112
<b>ASTM Data</b>			
Arc Resistance	<b>183</b>	s	ASTM D 495

**Other properties**

	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1770</b>	kg/m <sup>3</sup>	ISO 1183

**Characteristics****Special Characteristics**

Flame retardant, Heat stabilized or stable to heat

**Regional Availability**

Asia Pacific

**Features**

Low Warpage