



LEXAN™ Resin LC108
Asia Pacific: COMMERCIAL

Polycarbonate base, 8% carbon fiber reinforced, FR

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield	1000	kgf/cm ²	SABIC - Japan Method
Tensile Strain, break	4 - 6	%	SABIC - Japan Method
Flexural Stress	1630	kgf/cm ²	ASTM D 790
Flexural Modulus	60900	kgf/cm ²	ASTM D 790
Hardness, Rockwell M	88	-	ASTM D 785
IMPACT			
Izod Impact, notched, 23°C	8	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	142	°C	ASTM D 648
CTE, -30°C to 30°C	3.5E-05 - 5.9E-05	1/°C	TMA
PHYSICAL			
Specific Gravity	1.22	-	ASTM D 792
Water Absorption, 24 hours	0.13	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm (5)	0.2 - 0.4	%	SABIC Method
ELECTRICAL			
Surface Resistivity	1.E+08 - 1.E+12	Ohm	ASTM D 257