

LEXAN™ LC108 resin

Polycarbonate

SABIC Innovative Plastics Asia Pacific

Message:

Polycarbonate base, 8% carbon fiber reinforced, FR

General Information			
Filler / Reinforcement	Carbon Fiber,8.0% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.20 to 0.40	%	Internal Method
Water Absorption (24 hr)	0.13	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	88		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	98.1	MPa	Internal Method
Tensile Elongation (Break)	4.0 to 6.0	%	Internal Method
Flexural Modulus	5980	MPa	ASTM D790
Flexural Strength	161	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm)	142	°C	ASTM D648
CLTE - Flow (-30 to 30°C)	3.5E-5 to 5.9E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+8 to 1.0E+12	ohms	ASTM D257

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Recommended distributors for this material

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