

LEXAN™ LCG2007 resin

Polycarbonate

SABIC Innovative Plastics Asia Pacific

Message:

LEXAN™ LCG2007 resin is a Polycarbonate (PC) material. It is available in Asia Pacific.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.15 to 0.25	%	Internal Method
Water Absorption (24 hr)	0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	132	MPa	Internal Method
Tensile Elongation (Break)	5.0 to 7.0	%	Internal Method
Flexural Modulus	14900	MPa	ASTM D790
Flexural Strength	218	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm)	138	°C	ASTM D648
CLTE - Flow (-30 to 30°C)	2.0E-5 to 4.5E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+5	ohms	ASTM D257

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Recommended distributors for this material

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