

LEXAN™ 133R resin

Polycarbonate

SABIC Innovative Plastics Asia Pacific

Message:

LEXAN™ 133R resin is a Polycarbonate (PC) material. It is available in Asia Pacific.

Typical application of LEXAN™ 133R resin: Automotive

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	Internal Method
Water Absorption (24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	123		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.8	MPa	Internal Method
Tensile Elongation (Break)	220	%	Internal Method
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength	93.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	830	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm)	135	°C	ASTM D648
CLTE - Flow (-30 to 30°C)	7.0E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Dielectric Constant			ASTM D150
50 Hz	3.20		
60 Hz	3.20		

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Recommended distributors for this material

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