

SABIC Innovative Plastics Lexan® 3413HF PC

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

30% glass reinforced, high flow PC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Lexan-3413HF-PC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792
Melt Flow	40 g/10 min	40 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 300 °C	@Load 11.0 lb, Temperature 572 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	99.0 MPa	14400 psi	Type I, 5 mm/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	Type I, 5 mm/min; ASTM D638
Flexural Yield Strength	153 MPa	22200 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	6.61 GPa	959 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	0.690 J/cm	1.29 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	137 °C	279 °F	unannealed; ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
UL RTI, Electrical	80.0 °C	176 °F	UL 746B
UL RTI, Mechanical with Impact	80.0 °C	176 °F	UL 746B
UL RTI, Mechanical without Impact	80.0 °C	176 °F	UL 746B
Flammability, UL94	V-1	V-1	UL 94
	@Thickness 1.47 mm	@Thickness 0.0579 in	
	V-0	V-0	UL 94
	@Thickness 2.99 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
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Comparative Tracking Index Electrical Properties	175 - 250 V Metric	175 - 250 V English	UL 746A Comments
Hot Wire Ignition, HWI	60 - 120 sec	60 - 120 sec	UL 746A
High Amp Arc Ignition, HAI	0.00 - 15 arcs	0.00 - 15 arcs	UL 746A

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