

SABIC Innovative Plastics LNP THERMOCOMP Lexan_LGK3020 PC (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polycarbonate (PC)

Material Notes:

LNP* Thermocomp* Lexan_LGK3020 compound is a glass reinforced, flame retardant material.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-LexanLGK3020-PC-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792
Water Absorption	0.13 % @Time 86400 sec	0.13 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.00050 - 0.0025 cm/cm @Thickness 3.20 mm	0.00050 - 0.0025 in/in @Thickness 0.126 in	SABIC Method
Linear Mold Shrinkage, Transverse	0.0015 - 0.0035 cm/cm @Thickness 3.20 mm	0.0015 - 0.0035 in/in @Thickness 0.126 in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	117 MPa	17000 psi	Type I, 50 mm/min; ASTM D638
Elongation at Break	4.0 %	4.0 %	Type I, 50 mm/min; ASTM D638
Flexural Strength	147 MPa	21300 psi	1.3 mm/min, 50 mm span; ASTM D790
Flexural Modulus	6.57 GPa	953 ksi	1.3 mm/min, 50 mm span; ASTM D790
Izod Impact, Notched	1.22 J/cm	2.29 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	27.0 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$ @Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	15.0 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$ @Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	ASTM D696
CTE, linear, Transverse to Flow	46.8 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$ @Temperature -30.0 - 30.0 $\text{Å}^\circ\text{C}$	26.0 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$ @Temperature -22.0 - 86.0 $\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	146 $\text{Å}^\circ\text{C}$ @Thickness 6.40 mm	295 $\text{Å}^\circ\text{F}$ @Thickness 0.252 in	unannealed; ASTM D648

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 1.60 mm	@Thickness 0.0630 in	UL 94

Electrical Properties	Metric	English	Comments
Dielectric Strength	17.7 kV/mm @Thickness 3.20 mm	450 kV/in @Thickness 0.126 in	in oil; ASTM D149

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China