

Product Texts

LEXAN LGK5030 is a compound based on Polycarbonate resin containing 50% glass contents. Added features of this material include: Flame Retardant.

UL Yellow Card Link [E45587-236912](https://www.ul.com/yellowcard/E45587-236912)

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	142	MPa	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Flexural Modulus	10700	MPa	ASTM D 790
Izod Impact notched, 1/8 in	122	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	2.8	mm	-
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.8	mm	-
ASTM Data			
Coefficient of Thermal Expansion, MD	21.6	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	39.6	E-6/K	ASTM D 696

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	16.3	kV/mm	ASTM D 149

Other properties	Value	Unit	Test Standard
Density	1610	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	315 - 340	°C	-
Mold temperature	80 - 115	°C	-
Zone 1	295 - 315	°C	-
Zone 2	305 - 325	°C	-
Zone 3	315 - 340	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Flame retardant

Regional Availability

North America, Europe, Asia Pacific