



LNP™ THERMOCOMP™ Compound Lexan_LGK5030
Asia Pacific: COMMERCIAL

Glass reinforced. Flame retardant.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, brk, Type I, 50 mm/min	1450	kgf/cm ²	ASTM D 638
Tensile Strain, brk, Type I, 50 mm/min	4	%	ASTM D 638
Flexural Stress, brk, 1.3 mm/min, 50 mm span	1900	kgf/cm ²	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	109100	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	12	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 6.4 mm, unannealed	143	°C	ASTM D 648
CTE, -30°C to 30°C, flow	2.16E-05	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	3.96E-05	1/°C	ASTM D 696
PHYSICAL			
Specific Gravity	1.61	-	ASTM D 792
Water Absorption, 24 hours	0.14	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm (5)	0.05 - 0.25	%	SABIC Method
Mold Shrinkage, xflow, 3.2 mm (5)	0.1 - 0.3	%	SABIC Method
ELECTRICAL			
Dielectric Strength, in oil, 3.2 mm	16.3	kV/mm	ASTM D 149
FLAME CHARACTERISTICS			
UL Recognized, 94V-1 Flame Class Rating (3)	1.47	mm	UL 94
UL Recognized, 94V-0 Flame Class Rating (3)	2.79	mm	UL 94
UL Recognized, 94-5VA Rating (3)	3.6	mm	UL 94