



LNP* Lubricomp* Compound DAL22

Asia Pacific: COMMERCIAL

Also known as: LNP* Lubricomp* Compound DAL-4022

Product reorder name: DAL22

LNP* Lubricomp* DAL22 is a compound based on Polycarbonate resin containing PTFE, Aramid Fiber. Added features of this material include: Internally Lubricated.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, yield	610	kgf/cm ²	ASTM D 638
Tensile Stress, break	540	kgf/cm ²	ASTM D 638
Tensile Strain, yield	5.3	%	ASTM D 638
Tensile Strain, break	8.8	%	ASTM D 638
Tensile Modulus, 50 mm/min	28100	kgf/cm ²	ASTM D 638
Flexural Modulus	28100	kgf/cm ²	ASTM D 790
Tensile Stress, yield	59	MPa	ISO 527
Tensile Stress, break	57	MPa	ISO 527
Tensile Strain, yield	5.2	%	ISO 527
Tensile Strain, break	8	%	ISO 527
Tensile Modulus, 1 mm/min	2820	MPa	ISO 527
Flexural Stress	84	MPa	ISO 178
Flexural Modulus	3000	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	73	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	5	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	111	cm-kgf	ASTM D 3763
Multiaxial Impact	36	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	41	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	5	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	137	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	127	°C	ASTM D 648



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THERMAL			
CTE, -40°C to 40°C, flow	7.02E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, xflow	5.58E-05	1/°C	ASTM E 831
CTE, -40°C to 40°C, flow	6.9E-05	1/°C	ISO 11359-2
CTE, -40°C to 40°C, xflow	5.5E-05	1/°C	ISO 11359-2
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	138	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	129	°C	ISO 75/Af
PHYSICAL			
Density	1.27	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.1	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.6	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.7	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.6	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.71	%	ISO 294
Wear Factor Washer	21	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.28	-	ASTM D 3702 Modified
Static COF	0.18	-	ASTM D 3702 Modified
Density	1.27	g/cm ³	ISO 1183