

LNP* Lubricomp* Compound UFL36SXC

Asia Pacific: COMMERCIAL

Also known as: LNP* Lubricomp* Compound BGU BK8-115

Product reorder name: UFL36SXC

LNP* Lubricomp* UFL36SXC is a compound based on Polyphthalamide resin containing Glass Fiber, PTFE. Added features of this material include: Internally Lubricated, Heat Stabilized.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	2000	kgf/cm ²	ASTM D 638
Tensile Strain, break	2.5	%	ASTM D 638
Tensile Modulus, 50 mm/min	126500	kgf/cm ²	ASTM D 638
Flexural Stress	2810	kgf/cm ²	ASTM D 790
Flexural Modulus	110300	kgf/cm ²	ASTM D 790
Tensile Stress, break	196	MPa	ISO 527
Tensile Strain, break	2.5	%	ISO 527
Tensile Modulus, 1 mm/min	9880	MPa	ISO 527
Flexural Stress	286	MPa	ISO 178
Flexural Modulus	11230	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	103	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	11	cm-kgf/cm	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	71	cm-kgf	ASTM D 3763
Multiaxial Impact	30	cm-kgf	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	70	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	12	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	260	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	255	°C	ISO 75/Af
PHYSICAL			
Density	1.55	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.3	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.2	%	ASTM D 955

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PHYSICAL			
Mold Shrinkage, xflow, 24 hrs	0.8	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.17	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.82	%	ISO 294
Wear Factor Washer	6	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.46	-	ASTM D 3702 Modified
Static COF	0.49	-	ASTM D 3702 Modified
Density	1.55	g/cm ³	ISO 1183