

LNP* Lubricomp* Compound UCF36S

Asia Pacific: COMMERCIAL

Also known as: LNP* Lubricomp* Compound UCL-4036 HS

Product reorder name: UCF36S

LNP* Lubricomp* UCF36S is a compound based on Polyphthalamide resin containing PTFE, Carbon Fiber. Added features of this material include: Internally Lubricated, Heat Stabilized, Electrically Conductive.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
MECHANICAL			
Tensile Stress, break	216	MPa	ASTM D 638
Tensile Strain, break	1.6	%	ASTM D 638
Tensile Modulus, 50 mm/min	20130	MPa	ASTM D 638
Flexural Stress	324	MPa	ASTM D 790
Flexural Modulus	18820	MPa	ASTM D 790
Tensile Stress, break	214	MPa	ISO 527
Tensile Strain, break	1.2	%	ISO 527
Flexural Stress	334	MPa	ISO 178
Flexural Modulus	22700	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	939	J/m	ASTM D 4812
Izod Impact, notched, 23°C	96	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	39	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	8	kJ/m ²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	279	°C	ASTM D 648
PHYSICAL			
Density	1.41	g/cm ³	ASTM D 792
Wear Factor Washer	16	10 ⁻¹⁰ in ⁵ -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.36	-	ASTM D 3702 Modified
Static COF	0.27	-	ASTM D 3702 Modified
ELECTRICAL			
Surface Resistivity	1.E+02 - 1.E+06	Ohm	ASTM D 257