

LNP™ LUBRICOMP™ Compound UX05051

(PA*+PTFE)-GF

Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP LUBRICOMP UX05051 compound is based on Polyphthalamide (PPA) resin containing glass fiber and PTFE. Added features of this grade include: Heat Stabilized, Flame Retardant, Hot Water Moldable, Wear Resistant.

UL Yellow Card Link [E45329-101949148](https://www.ulprospector.com/usa/Products/101949148)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	12100	MPa	ISO 527
Stress at break	138	MPa	ISO 527
Strain at break	1	%	ISO 527
Flexural modulus	10700	MPa	ISO 178
Izod impact strength, +23°C, 4mm	25	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	8	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	273	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	20	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	52	E-6/K	ISO 11359-1/-2
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.4	mm	-

Other properties	Value	Unit	Test Standard
Density	1760	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Melt temperature	305 - 315	°C	-
Mold temperature	95 - 120	°C	-
Zone 1	305 - 320	°C	-
Zone 2	305 - 320	°C	-
Zone 3	305 - 320	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Flame retardant

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific