

Product Texts

LNP LUBRICOMP RP004 compound is based on Nylon 6/6 resin containing 20% PTFE/silicone. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E207780-101343871](https://www.ul.com/yellow-card/E207780-101343871)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	1.9	%	ISO 294-4, 2577
Molding shrinkage, normal	1.9	%	ISO 294-4, 2577
ASTM Data			
Mold Shrinkage, MD	1.9	mm/mm	ASTM D 955
Mold Shrinkage, TD	1.9	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2730	MPa	ISO 527
Yield stress	63	MPa	ISO 527
Yield strain	26	%	ISO 527
Stress at break	63	MPa	ISO 527
Strain at break	26.6	%	ISO 527
Flexural modulus	2000	MPa	ISO 178
Flexural strength	82	MPa	ISO 178
Izod impact strength, +23°C, 4mm	88	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	5	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2750	MPa	ASTM D 638
Tensile Strength at Break	60	MPa	ASTM D 638
Elongation at Yield	22	%	ASTM D 638
Elongation at Break	22.5	%	ASTM D 638
Flexural Modulus	2060	MPa	ASTM D 790
Izod Impact notched, 1/8 in	53	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	347	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	63	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	200	°C	ISO 75-1/-2
Burning behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.8	mm	-
ASTM Data			
DTUL @ 66 psi	237	°C	ASTM D 648
DTUL @ 264 psi	63	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1240	kg/m ³	ISO 1183
Water Absorption, 24hr	0.8	%	ASTM D 570
Density	1240	kg/m ³	ASTM D 792

Characteristics

Processing

Injection Molding

Regional Availability

Asia Pacific