

Product Texts

LNP LUBRICOMP RP003 compound is based on Nylon 6/6 resin containing 15% PTFE/silicone. Added features of this grade include: Wear Resistant.

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2960	MPa	ISO 527
Yield stress	55	MPa	ISO 527
Yield strain	4.7	%	ISO 527
Stress at break	55	MPa	ISO 527
Strain at break	4.7	%	ISO 527
Flexural modulus	3000	MPa	ISO 178
Flexural strength	85	MPa	ISO 178
Izod impact strength, +23°C, 4mm	26	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	4	kJ/m ²	ISO 180/1A

ASTM Data			
Tensile Modulus	2700	MPa	ASTM D 638
Tensile Strength at Break	48	MPa	ASTM D 638
Elongation at Yield	4.6	%	ASTM D 638
Elongation at Break	4.7	%	ASTM D 638
Flexural Modulus	2060	MPa	ASTM D 790
Flexural Strength	68	MPa	ASTM D 790
Izod Impact notched, 1/8 in	37	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	379	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	66	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	221	°C	ISO 75-1/-2

ASTM Data			
DTUL @ 66 psi	201	°C	ASTM D 648
DTUL @ 264 psi	59	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1270	kg/m ³	ISO 1183
Water Absorption, 24hr	0.6	%	ASTM D 570
Density	1270	kg/m ³	ASTM D 792

Characteristics

Processing

Injection Molding

Regional Availability

Asia Pacific