

Product Texts

LNP LUBRICOMP RFL36SXD compound is based on Nylon 6/6 resin containing 30% glass fiber, 15% PTFE. Added features of this grade include: Internally Lubricated, Wear Resistant, Heat Stabilized.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	9700	MPa	ISO 527
Stress at break	173	MPa	ISO 527
Strain at break	3	%	ISO 527
Flexural modulus, 23°C	7900	MPa	ISO 178
Izod impact strength, +23°C	70	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	13	kJ/m ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	249	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	261	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1490	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.25	%	-
Melt temperature	280 - 305	°C	-
Mold temperature	95 - 110	°C	-
Zone 1	265 - 275	°C	-
Zone 2	280 - 295	°C	-
Zone 3	295 - 305	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing
Injection Molding

Additives
Lubricants

Special Characteristics
Heat stabilized or stable to heat

Features
Tribologic Grade

Applications
Automotive, IT / Business Machine, Electrical and Electronical

Regional Availability
North America, Europe, Asia Pacific