

Product Texts

LNP LUBRICOMP NXC620 compound is based on Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS) blend containing silicone. Added features of this grade include: Wear Resistant.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.7	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.7	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2090	MPa	ISO 527
Yield stress	49	MPa	ISO 527
Yield strain	4.9	%	ISO 527
Stress at break	42	MPa	ISO 527
Strain at break	50	%	ISO 527
Flexural modulus	2110	MPa	ISO 178
Flexural strength	77	MPa	ISO 178
Izod impact strength, +23°C, 4mm	N	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	48	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2190	MPa	ASTM D 638
Tensile Strength at Yield	51	MPa	ASTM D 638
Tensile Strength at Break	40	MPa	ASTM D 638
Elongation at Yield	4.7	%	ASTM D 638
Elongation at Break	31	%	ASTM D 638
Flexural Modulus	2220	MPa	ASTM D 790
Izod Impact notched, 1/8 in	654	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	110	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	125	°C	ISO 75-1/-2
ASTM Data			
Coefficient of Thermal Expansion, MD	73.1	E-6/K	ASTM D 696
Coefficient of Thermal Expansion, TD	77.9	E-6/K	ASTM D 696
DTUL @ 264 psi	108	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1140	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	95 - 105	°C	-
Pre-drying - Time	2 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	260 - 290	°C	-
Mold temperature	60 - 90	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	230 - 260	°C	-
Zone 2	250 - 290	°C	-
Zone 3	250 - 290	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive