

Product Texts

LNP LUBRILOY UX99725 compound is based on Polyphthalamide (PPA) resin containing proprietary lubricant. Added features of this grade include: Wear Resistant.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	6	cm ³ /10min	ISO 1133
Temperature	330	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2150	MPa	ISO 527
Yield stress	66	MPa	ISO 527
Yield strain	7	%	ISO 527
Stress at break	64	MPa	ISO 527
Strain at break	9	%	ISO 527
Flexural modulus	2180	MPa	ISO 178
Flexural strength	94	MPa	ISO 178
Charpy notched impact strength, +23°C	15	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C, 4mm	13	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Modulus	2244	MPa	ASTM D 638
Tensile Strength at Yield	68	MPa	ASTM D 638
Tensile Strength at Break	60	MPa	ASTM D 638
Elongation at Yield	8	%	ASTM D 638
Elongation at Break	20	%	ASTM D 638
Flexural Modulus	2010	MPa	ASTM D 790
Izod Impact notched, 1/8 in	118	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	119	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	139	°C	ISO 75-1/-2
Vicat softening temperature, B	151	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	151	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	140	°C	ASTM D 648
DTUL @ 264 psi	121	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1110	kg/m ³	ISO 1183
Density	1120	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Melt temperature	315 - 330	°C	-
Mold temperature	150 - 170	°C	-
Zone 1	310 - 320	°C	-
Zone 2	315 - 325	°C	-
Zone 3	325 - 340	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

Automotive