

LNP* Lubricomp* Compound TX97446

Americas: COMMERCIAL

Also known as: LUBRICOMP PDX-T-97446 BK8-115
Product Reorder Name: TX97446

LNP* Lubricomp* TX97446 is a compound based on Polyurethane containing Proprietary Fillers. Characteristics are: Internally Lubricated.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL			
	Value	Unit	Standard
Tensile Stress, yld, Type I, 5 mm/min	23	MPa	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	54	%	ASTM D 638
Tensile Modulus, 5 mm/min	560	MPa	ASTM D 638
Flexural Modulus, 1.3 mm/min, 50 mm span	350	MPa	ASTM D 790
Tensile Stress, yield, 5 mm/min	23	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	51	%	ISO 527
Tensile Modulus, 1 mm/min	410	MPa	ISO 527
Flexural Stress	13	MPa	ISO 178
Flexural Modulus, 2 mm/min	380	MPa	ISO 178
IMPACT			
	Value	Unit	Standard
Izod Impact, unnotched, 23°C	1210	J/m	ASTM D 4812
Izod Impact, notched, 23°C	235	J/m	ASTM D 256
Multiaxial Impact	37	J	ISO 6603
Instrumented Impact Total Energy, 23°C	45	J	ASTM D 3763
Izod Impact, unnotched 80*10*4 +23°C	95	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	18	kJ/m ²	ISO 180/1A
THERMAL			
	Value	Unit	Standard
HDT, 0.45 MPa, 3.2 mm, unannealed	51	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	42	°C	ASTM D 648
CTE, -30°C to 30°C, flow	1.24E-04	1/°C	ASTM D 696
CTE, -30°C to 30°C, xflow	1.43E-04	1/°C	ASTM D 696
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	61	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	44	°C	ISO 75/Af
PHYSICAL			
	Value	Unit	Standard
Specific Gravity	1.21	-	ASTM D 792
Density	1.21	g/cm ³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.46	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs (5)	0.7 - 1	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs (5)	0.8 - 2	%	ASTM D 955
Moisture Absorption (23°C / 50% RH)	0.66	%	ISO 62

Source GMD, last updated:2009/10/14

Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

(5) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.

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