LNP™ LUBRICOMP™ COMPOUND DX00714H

PDX-D-00714 EES
REGION ASIA

DESCRIPTION

LNP LUBRICOMP* DX00714H is a compound based on Polycarbonate resin containing Proprietary Filler(s). Added features of this material include: Wear Resistant, Healthcare.

TYPICAL PROPERTY VALUES

Revision 20181031

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break	89	MPa	ASTM D 638
Tensile Strain, break	2.2	%	ASTM D 638
Tensile Modulus, 50 mm/min	6550	MPa	ASTM D 638
Flexural Stress	137	MPa	ASTM D 790
Flexural Modulus	5310	MPa	ASTM D 790
Tensile Stress, break	90	MPa	ISO 527
Tensile Strain, break	3.3	%	ISO 527
Tensile Modulus, 1 mm/min	6340	MPa	ISO 527
Flexural Stress	135	MPa	ISO 178
Flexural Modulus	5200	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	336	J/m	ASTM D 4812
Izod Impact, notched, 23°C	74	J/m	ASTM D 256
Instrumented Impact Energy @ peak, 23°C	30	J	ASTM D 3763
Multiaxial Impact	72	J	ISO 6603
Izod Impact, unnotched 80*10*4 +23°C	35	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	9	kJ/m²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	140	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	141	°C	ISO 75/Af
PHYSICAL			
Density	1.33	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.1	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	0.3 – 0.5	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	0.6 – 0.8	%	ASTM D 955
Mold Shrinkage, flow, 24 hrs	0.3 – 0.5	%	ISO 294
Mold Shrinkage, xflow, 24 hrs	0.6 – 0.8	%	ISO 294
Wear Factor Washer	441	10^-10 in^5-min/ft-lb-hr	ASTM D 3702 Modified: Manual
Dynamic COF	0.46	-	ASTM D 3702 Modified: Manual
Static COF	0.51	-	ASTM D 3702 Modified: Manual
Density	1.33	g/cm³	ISO 1183
Moisture Absorption (23°C / 50% RH)	0.12	%	ISO 62

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