LNP™ LUBRICOMP™ COMPOUND KL004A

FULTON 404 D
REGION ASIA

DESCRIPTION

LNP LUBRICOMP* KL004A is a compound based on Acetal Homopolymer resin containing 20% PTFE. Added feature of this material is: Wear Resistant.

TYPICAL PROPERTY VALUES

Revision 20190607

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, brk, Type I, 5 mm/min	56	MPa	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	11.4	%	ASTM D 638
Tensile Modulus, 50 mm/min	2550	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	86	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	2620	MPa	ASTM D 790
Tensile Strain, break, 5 mm/min	9.4	%	ISO 527
Tensile Modulus, 1 mm/min	2400	MPa	ISO 527
Flexural Modulus, 2 mm/min	2400	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	560	J/m	ASTM D 4812
Izod Impact, notched, 23°C	42	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	30	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	4	kJ/m²	ISO 180/1A
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	95	°C	ASTM D 648
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	98	°C	ISO 75/Af
PHYSICAL			
Moisture Absorption, 50% RH, 24 hrs	0.23	%	ASTM D 570
Mold Shrinkage, flow, 24 hrs	2 – 2.2	%	ASTM D 955
Mold Shrinkage, xflow, 24 hrs	2 – 2.2	%	ASTM D 955
Wear Factor Washer	12	10^-10 in^5-min/ft-lb-hr	ASTM D 3702 Modified: Manual
Dynamic COF	0.23	-	ASTM D 3702 Modified: Manual
Static COF	0.09	-	ASTM D 3702 Modified: Manual
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E207780-101281606	-	-
UL Recognized, 94HB Flame Class Rating	1.5	mm	UL 94

(1) UL Ratings shown on the technical datasheet might not cover the full range of thicknesses and colors. For details, please see the UL Yellow Card.

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