LNP™ LUBRICOMP™ COMPOUND C2801

REGION ASIA

DESCRIPTION

LNP™ LUBRICOMP™ Compound C2801 is a 5% PTFE reinforced PC+ABS, wear resistant, flame retardant compound for moving components in business equipment. Medium heat performance

TYPICAL PROPERTY VALUES

Revision 20190717

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	62	MPa	ASTM D 638
Tensile Stress, brk, Type I, 50 mm/min	51	MPa	ASTM D 638
Tensile Strain, brk, Type I, 50 mm/min	110	%	ASTM D 638
Flexural Stress, yld, 2.6 mm/min, 100 mm span	95	MPa	ASTM D 790
Flexural Modulus, 2.6 mm/min, 100 mm span	2720	MPa	ASTM D 790
K-factor xE-10, PV=2000 psi-fpm vs Steel	430	-	SABIC method
Coefficient of Friction on steel, Static	0.16	-	ASTM D 1894
Coefficient of Friction on steel,Kinetic	0.21	-	ASTM D 1894
IMPACT			
Izod Impact, notched, 23°C	133	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 6.4 mm, unannealed	82	°C	ASTM D 648
Relative Temp Index, Elec (1)	60	°C	UL 746B
Relative Temp Index, Mech w/impact (1)	60	°C	UL 746B
Relative Temp Index, Mech w/o impact (1)	60	°C	UL 746B
PHYSICAL			
Specific Gravity	1.22	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm	0.4 – 0.5	%	SABIC method
Mold Shrinkage, xflow, 3.2 mm	0.3 – 0.5	%	SABIC method
ELECTRICAL			
Comparative Tracking Index (UL) {PLC}	1	PLC Code	UL 746A
Hot-Wire Ignition (HWI), PLC 3	≥1.5	mm	UL 746A
High Amp Arc Ignition (HAI), PLC 0	≥1.5	mm	UL 746A
FLAME CHARACTERISTICS (1)			
UL Yellow Card Link	E207780-228469	-	-
UL Recognized, 94-5VB Flame Class Rating	≥2.5	mm	UL 94
UL Recognized, 94V-0 Flame Class Rating	≥1.5	mm	UL 94
UL Recognized, 94V-1 Flame Class Rating	≥1	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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