LNP™ LUBRICOMP™ COMPOUND 2X00858

PDX-FP-F-00858

DESCRIPTION

LNP™ LUBRICOMP™ 2X00858 is a compound based on FEP resin containing proprietary fillers. Wear Resistant

TYPICAL PROPERTY VALUES

Revision 20191210

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 5 mm/min	14	MPa	ASTM D 638
Tensile Stress, brk, Type I, 5 mm/min	12	MPa	ASTM D 638
Tensile Strain, yld, Type I, 5 mm/min	5.5	%	ASTM D 638
Tensile Strain, brk, Type I, 5 mm/min	9.3	%	ASTM D 638
Tensile Modulus, 50 mm/min	1010	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	20	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	790	MPa	ASTM D 790
Tensile Stress, yield, 5 mm/min	14	MPa	ISO 527
Tensile Stress, break, 5 mm/min	13	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	6.1	%	ISO 527
Tensile Strain, break, 5 mm/min	9.3	%	ISO 527
Tensile Modulus, 1 mm/min	930	MPa	ISO 527
Flexural Stress	19	MPa	ISO 178
Flexural Modulus, 2 mm/min	870	MPa	ISO 178
IMPACT			
Izod Impact, unnotched, 23°C	981	J/m	ASTM D 4812
Izod Impact, notched, 23°C	683	J/m	ASTM D 256
Izod Impact, unnotched 80*10*4 +23°C	84	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	31	kJ/m²	ISO 180/1A
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	79	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	57	°C	ASTM D 648
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	80	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	61	°C	ISO 75/Af
PHYSICAL			
Specific Gravity	2.17	-	ASTM D 792
Density	2.17	g/cm³	ASTM D 792
Moisture Absorption, 50% RH, 24 hrs	0.01	%	ASTM D 570
FLAME CHARACTERISTICS			
UL Compliant, 94V-0 Flame Class Rating	1.5	mm	UL 94 by SABIC-IP

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