LNP™ LUBRICOMP™ COMPOUND RFN18SXS

RFL-4218 HS

DESCRIPTION

LNP LUBRICOMP RFN18SXS is a compound based on Nylon 66 resin containing Glass Fiber, MOS2. Added features of this material include: Heat Stabilized.

TYPICAL PROPERTY VALUES

Revision 20191210

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, break, 5 mm/min	219	MPa	ISO 527
Tensile Strain, break, 5 mm/min	2.8	%	ISO 527
Tensile Modulus, 1 mm/min	13300	MPa	ISO 527
Flexural Stress, break, 2 mm/min	311	MPa	ISO 178
Flexural Modulus, 2 mm/min	11100	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	75	kJ/m²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	12	kJ/m²	ISO 180/1A
THERMAL			
HDT/Bf, 0.45 MPa Flatw 80*10*4 sp=64mm	261	°C	ISO 75/Bf
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	254	°C	ISO 75/Af
PHYSICAL			
Mold Shrinkage on Tensile Bar, flow	0.15 – 0.35	%	SABIC method
Wear Factor Washer	45	10^-10 in^5-min/ft-lb-hr	ASTM D 3702 Modified: Manual
Dynamic COF	0.75	-	ASTM D 3702 Modified: Manual
Static COF	0.59	-	ASTM D 3702 Modified: Manual
Density	1.51	g/cm³	ISO 1183

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