



LNP™ LUBRICOMP™ Compound RFN18SXS

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound RFL-4218 HS

Product reorder name: RFN18SXS

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

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
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/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	12	kJ/m ²	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 (2) (5)	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/cm ³	ISO 1183