



LNP™ LUBRICOMP™ Compound XFL21R

Americas: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound XFL-4021 MR

Product reorder name: XFL21R

LNP LUBRICOMP XFL21R is a compound based on Amorphous Nylon resin containing 5% Glass Fiber, 10% PTFE. Added features of this material include: Wear Resistant, Mold Release.

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break	850	kgf/cm ²	ASTM D 638
Tensile Strain, break	4.1	%	ASTM D 638
Tensile Modulus, 50 mm/min	38100	kgf/cm ²	ASTM D 638
Flexural Stress	1330	kgf/cm ²	ASTM D 790
Flexural Modulus	39700	kgf/cm ²	ASTM D 790
IMPACT			
Izod Impact, unnotched, 23°C	51	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	5	cm-kgf/cm	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	138	°C	ASTM D 648
PHYSICAL			
Density	1.21	g/cm ³	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.7	%	ASTM D 955



LNP™ LUBRICOMP™ Compound XFL21R

Americas: COMMERCIAL

PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	100 - 120	°C
Drying Time	6 - 12	hrs
Maximum Moisture Content	0.1	%
Melt Temperature	260 - 300	°C
Front - Zone 3 Temperature	290 - 300	°C
Middle - Zone 2 Temperature	270 - 290	°C
Rear - Zone 1 Temperature	260 - 270	°C
Mold Temperature	50 - 100	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm