



LNP™ LUBRICOMP™ Compound UX05051

Europe-Africa-Middle East: COMMERCIAL

Also known as: LNP™ LUBRICOMP™ Compound UFL-4026 A FR HS HW

Product reorder name: UX05051

Internally lubricated Polyphthalamide compound, containing Glass Fiber and PTFE. Added features include Heat Stabilized, Flame Retardant and Hot Water Moldable

TYPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, break, 5 mm/min	138	MPa	ISO 527
Tensile Strain, break, 5 mm/min	1	%	ISO 527
Tensile Modulus, 1 mm/min	12100	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	188	MPa	ISO 178
Flexural Modulus, 2 mm/min	10700	MPa	ISO 178
IMPACT			
Izod Impact, unnotched 80*10*4 +23°C	25	kJ/m ²	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	8	kJ/m ²	ISO 180/1A
THERMAL			
CTE, 23°C to 60°C, flow	2.E-05	1/°C	ISO 11359-2
CTE, 23°C to 60°C, xflow	5.2E-05	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	273	°C	ISO 75/Af
PHYSICAL			
Density	1.76	g/cm ³	ISO 1183
FLAME CHARACTERISTICS			
UL Recognized, 94V-0 Flame Class Rating (3)	0.4	mm	UL 94



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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Melt Temperature	305 - 315	°C
Front - Zone 3 Temperature	305 - 320	°C
Middle - Zone 2 Temperature	305 - 320	°C
Rear - Zone 1 Temperature	305 - 320	°C
Mold Temperature	95 - 120	°C
Back Pressure	0.3 - 0.7	MPa
Screw Speed	30 - 60	rpm