

# LNPT<sup>™</sup> LUBRICOMP<sup>™</sup> COMPOUND ML004S

ML-4040 HS  
REGION ASIA

## DESCRIPTION

LNP LUBRICOMP ML004S compound is based on Polypropylene (PP) resin containing 20% PTFE. Added features of this grade include: Wear Resistant, Heat Stabilized.

GENERAL INFORMATION	
Features	Heat Stabilized, Wear resistant
Fillers	Unreinforced, PTFE
Polymer Types	Polypropylene, Unspecified (PP, Unspecified)
Processing Techniques	Injection Molding
INDUSTRY	SUB INDUSTRY
Building and Construction	Building Component
Consumer	Sport/Leisure, Personal Accessory, Home Appliances, Commercial Appliance
Electrical and Electronics	Mobile Phone - Computer - Tablets
Industrial	Electrical

## TYPICAL PROPERTY VALUES

Revision 20231109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>MECHANICAL <sup>(1)</sup></b>			
Tensile Stress, break	30	MPa	ASTM D638
Tensile Strain, break	6.2	%	ASTM D638
Tensile Modulus, 50 mm/min	1760	MPa	ASTM D638
Flexural Stress	41	MPa	ASTM D790
Flexural Modulus	1550	MPa	ASTM D790
<b>IMPACT <sup>(1)</sup></b>			
Izod Impact, unnotched, 23°C	279	J/m	ASTM D4812
Izod Impact, notched, 23°C	26	J/m	ASTM D256
<b>THERMAL <sup>(1)</sup></b>			
HDT, 1.82 MPa, 3.2mm, unannealed	62	°C	ASTM D648
<b>PHYSICAL <sup>(1)</sup></b>			
Density	1.03	g/cm <sup>3</sup>	ASTM D792
Mold Shrinkage, flow, 24 hrs <sup>(2)</sup>	1.4	%	ASTM D955

(1) The information stated on Technical Datasheets should be used as indicative only for material selection purposes and not be utilized as specification or used for part or tool design.

(2) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.



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