

## LNP\* Lubricomp\* Compound KP004

Europe-Africa-Middle East:  
COMMERCIAL

Also known as: KL-4540  
Product Reorder Name: KP004

LNP\* Lubricomp\* KP004 is a compound based on Acetal Copolymer resin containing PTFE, Silicone.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
MECHANICAL	Value	Unit	Standard
Tensile Stress, break, 5 mm/min	39	MPa	ISO 527
Tensile Strain, break, 5 mm/min	>15	%	ISO 527
Flexural Stress, break, 2 mm/min	47	MPa	ISO 178
Flexural Modulus, 2 mm/min	1800	MPa	ISO 178
IMPACT	Value	Unit	Standard
Izod Impact, unnotched 80*10*4 +23°C	35	kJ/m <sup>2</sup>	ISO 180/1U
Izod Impact, notched 80*10*4 +23°C	6	kJ/m <sup>2</sup>	ISO 180/1A
THERMAL	Value	Unit	Standard
CTE, 23°C to 60°C, flow	1.1E-04	1/°C	ISO 11359-2
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	79	°C	ISO 75/Af
PHYSICAL	Value	Unit	Standard
Mold Shrinkage, xflow, 24 hrs	2.1 - 2.9	%	ISO 294
Wear Factor Washer	9	10 <sup>-10</sup> in <sup>5</sup> -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.25	-	ASTM D 3702 Modified
Static COF	0.14	-	ASTM D 3702 Modified
Density	1.48	g/cm <sup>3</sup>	ISO 1183

Source GMD, last updated:10/10/2006

### Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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