



## LNP™ LUBRILOY™ Compound DF202P

### Americas: COMMERCIAL

Also known as: LNP™ LUBRILOY™ Compound DF-10 EP

Product reorder name: DF202P

LNP LUBRILOY\* DF202P is a compound based on Polycarbonate resin containing Glass Fiber, Proprietary Lubricant. Added features of this material include: Wear Resistant, Exceptional Processing.

TYPICAL PROPERTIES <sup>1</sup>	TYPICAL VALUE	Unit	Standard
<b>MECHANICAL</b>			
Tensile Stress, break	790	kgf/cm <sup>2</sup>	ASTM D 638
Tensile Strain, break	4	%	ASTM D 638
Flexural Stress	1340	kgf/cm <sup>2</sup>	ASTM D 790
Flexural Modulus	41400	kgf/cm <sup>2</sup>	ASTM D 790
<b>IMPACT</b>			
Izod Impact, unnotched, 23°C	76	cm-kgf/cm	ASTM D 4812
Izod Impact, notched, 23°C	17	cm-kgf/cm	ASTM D 256
<b>PHYSICAL</b>			
Density	1.23	g/cm <sup>3</sup>	ASTM D 792
Wear Factor Washer	223	10 <sup>-10</sup> in <sup>5</sup> -min/ft-lb-hr	ASTM D 3702 Modified
Dynamic COF	0.36	-	ASTM D 3702 Modified
Static COF	0.3	-	ASTM D 3702 Modified

(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.

(5) 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.

Source GMD, last updated:

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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
<b>Injection Molding</b>		
Drying Temperature	100	°C
Drying Time	4	hrs
Maximum Moisture Content	0.02	%
Melt Temperature	305 - 315	°C
Front - Zone 3 Temperature	305 - 315	°C
Middle - Zone 2 Temperature	300 - 310	°C
Rear - Zone 1 Temperature	295 - 305	°C
Mold Temperature	65 - 95	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

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