



**LNP™ LUBRICOMP™ Compound 5CL24**

**Americas: COMMERCIAL**

Also known as: LNP™ LUBRICOMP™ Compound FP-VCL-4024  
Product reorder name: 5CL24

LNP™ LUBRICOMP™ 5CL24 is a compound based on Polyvinylidene Fluoride resin containing 10% PTFE and 20% Carbon Fiber. Added feature of this material is: Wear Resistant.

| TYPICAL PROPERTIES <sup>1</sup> | TYPICAL VALUE | Unit                | Standard   |
|---------------------------------|---------------|---------------------|------------|
| <b>MECHANICAL</b>               |               |                     |            |
| Tensile Stress, break           | 1190          | kgf/cm <sup>2</sup> | ASTM D 638 |
| Tensile Strain, break           | 1.3           | %                   | ASTM D 638 |
| Tensile Modulus, 50 mm/min      | 174100        | kgf/cm <sup>2</sup> | ASTM D 638 |
| Flexural Stress                 | 1750          | kgf/cm <sup>2</sup> | ASTM D 790 |
| Flexural Modulus                | 151100        | kgf/cm <sup>2</sup> | ASTM D 790 |
| <b>PHYSICAL</b>                 |               |                     |            |
| Density                         | 1.78          | g/cm <sup>3</sup>   | ASTM D 792 |



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| PROCESSING PARAMETERS       | TYPICAL VALUE | Unit |
|-----------------------------|---------------|------|
| <b>Injection Molding</b>    |               |      |
| Drying Temperature          | 120 - 150     | °C   |
| Drying Time                 | 4             | hrs  |
| Melt Temperature            | 215 - 230     | °C   |
| Front - Zone 3 Temperature  | 225 - 245     | °C   |
| Middle - Zone 2 Temperature | 210 - 225     | °C   |
| Rear - Zone 1 Temperature   | 190 - 210     | °C   |
| Mold Temperature            | 65 - 90       | °C   |
| Back Pressure               | 0.2 - 0.3     | MPa  |
| Screw Speed                 | 30 - 60       | rpm  |