# LNP™ LUBRICOMP™ OCL13XXP compound

Linear Polyphenylene Sulfide

SABIC Innovative Plastics Europe

## Message:

LNP LUBRICOMP OCL13XXP is a compound based on PPS - LINEAR resin containing PTFE, Carbon Fiber. Added features of this material include: Electrically Conductive.
Also known as: LNP* LUBRICOMP* Compound OCL4013 L NT8
Product reorder name: OCL13XXP

| General Information | | | |
|---|---|---|---|
| Filler / Reinforcement | Carbon Fiber | | |
| Additive | PTFE Lubricant | | |
| Features | Electrically Conductive<br>Linear Polymer Structure<br>Lubricated | | |
| RoHS Compliance | RoHS Compliant | | |
| Processing Method | Injection Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 1.40 | g/cm³ | ISO 1183 |
| Melt Volume-Flow Rate (MVR) (315°C/5.0 kg) | 50.0 | cm³/10min | ISO 1133 |
| Molding Shrinkage - Flow [1] | 0.050 to 0.25 | % | Internal Method |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus | 12600 | MPa | ISO 527-2/1 |
| Tensile Stress (Break) | 157 | MPa | ISO 527-2/5 |
| Tensile Strain (Break) | 1.5 | % | ISO 527-2/5 |
| Flexural Modulus [2] | 11100 | MPa | ISO 178 |
| Flexural Stress | 212 | MPa | ISO 178 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact Strength [3] (23°C) | 5.0 | kJ/m² | ISO 180/1A |
| Unnotched Izod Impact Strength [4] (23°C) | 25 | kJ/m² | ISO 180/1U |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Heat Deflection Temperature [5] (1.8 MPa, Unannealed, 64.0 mm Span) | 243 | °C | ISO 75-2/Af |
| CLTE | | | ISO 11359-2 |
| Flow : 23 to 60°C | 1.4E-5 | cm/cm/°C | |
| Transverse : 23 to 60°C | 5.2E-5 | cm/cm/°C | |
| **Electrical** | **Nominal Value** | **Unit** | **Test Method** |
| Surface Resistivity | 1.0E+2 to 1.0E+4 | ohms | ASTM D257 |
| **Injection** | **Nominal Value** | **Unit** | |
| Drying Temperature | 121 to 149 | °C | |

| | | |
|---|---|---|
| Drying Time | 4.0 | hr |
| Rear Temperature | 304 to 316 | °C |
| Middle Temperature | 321 to 332 | °C |
| Front Temperature | 332 to 343 | °C |
| Processing (Melt) Temp | 316 to 321 | °C |
| Mold Temperature | 138 to 166 | °C |
| Back Pressure | 0.172 to 0.344 | MPa |
| Screw Speed | 30 to 60 | rpm |

| NOTE | |
|---|---|
| 1. | Tensile Bar |
| 2. | 2.0 mm/min |
| 3. | 80*10*4 |
| 4. | 80*10*4 |
| 5. | 80*10*4 mm |



## Recommended distributors for this material

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