

Product Texts

LNP LUBRICOMP KAL22XXC compound is based on Acetal (POM) Copolymer resin containing 10% PTFE, 10% aramid fiber. Added features of this grade include: Wear Resistant.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|-------|---------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 2 | mm/mm | ASTM D 955 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 3137 | MPa | ASTM D 638 |
| Tensile Strength at Break | 62 | MPa | ASTM D 638 |
| Elongation at Break | 6.7 | % | ASTM D 638 |
| Flexural Modulus | 3160 | MPa | ASTM D 790 |
| Flexural Strength | 82 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 48 | J/m | ASTM D 256 |
| Izod Impact unnotched, 1/8 in | 576 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| ASTM Data | | | |
| DTUL @ 264 psi | 118 | °C | ASTM D 648 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1450 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---------------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 4 | h | - |
| Melt temperature | 200 - 215 | °C | - |
| Mold temperature | 80 - 110 | °C | - |
| Zone 1 | 175 - 190 | °C | - |
| Zone 2 | 195 - 205 | °C | - |
| Zone 3 | 210 - 220 | °C | - |
| Screw speed | 30 - 60 | rpm | - |
| Back pressure | 0.2 - 0.3 | MPa | - |

Characteristics

Processing

Injection Molding

Regional Availability

North America