

DAFNELAN® LR2

POM

Sirmax S.p.A.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 2 | g/10min | ISO 1133 |
| Temperature | 190 | °C | - |
| Load | 2.16 | kg | - |
| Molding shrinkage, parallel | 2.0 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------------|-------------------|---------------|
| ISO Data | | | |
| Yield stress | 70 | MPa | ISO 527 |
| Strain at break | 60 | % | ISO 527 |
| Flexural modulus, 23°C | 2700 | MPa | ISO 178 |
| Flexural strength | 75 | MPa | ISO 178 |
| Charpy impact strength, +23°C | N | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 15 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C | 15 | kJ/m ² | ISO 180/1A |
| Rockwell hardness | M 75 | - | ISO 2039-2 |

| Thermal properties | Value | Unit | Test Standard |
|------------------------------------------|------------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 100 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 160 | °C | ISO 306 |
| Burning behav. at 1.5 mm nom. thickn. | HB | class | IEC 60695-11-10 |
| Thickness tested | 1.6 | mm | - |

| Other properties | Value | Unit | Test Standard |
|------------------|-------------|-------------------|----------------|
| Water absorption | 0.2 | % | Sim. to ISO 62 |
| Density | 1420 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---------------------------------------------|------------------|------|---------------|
| Pre-drying - Temperature | 80 | °C | - |
| Pre-drying - Time | 2 | h | - |
| Melt temperature | 200 - 220 | °C | - |
| Mold temperature | 70 - 90 | °C | - |

Characteristics**Processing**

Injection Molding

Features

Homopolymer

Certifications

RoHS compliant

Applications

General Purpose

Regional Availability

North America, Europe, Asia Pacific, South and Central America