

FERROFLO® SPS05PK02NA

High Impact Polystyrene

Ferro Corporation

Message:

FERROFLO®SPS05PK02NA is a high impact polystyrene material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. FERROFLO®The main characteristics of the SPS05PK02NA are: lubrication.

| General Information | | | |
|--|-------------------------|-------------------|-------------|
| Additive | Silicone lubricant (5%) | | |
| Features | Lubrication | | |
| | Self-lubricating | | |
| Appearance | Natural color | | |
| Forms | Particle | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.03 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/3.8 kg) | 35 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.70 | % | ASTM D955 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 72 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (23°C) | 22.1 | MPa | ASTM D638 |
| Tensile Elongation (Break, 23°C) | 30 | % | ASTM D638 |
| Flexural Modulus | | | ASTM D790 |
| 1% secant: 23°C | 1720 | MPa | ASTM D790 |
| Tangent: 23°C | 1860 | MPa | ASTM D790 |
| Flexural Strength (23°C) | 31.7 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C, 3.18 mm) | 110 | J/m | ASTM D256 |
| Unnotched Izod Impact (23°C, 3.18 mm) | 270 | J/m | ASTM D256 |
| Dart Drop Impact (23°C) | 1.81 | J | ASTM D5420 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, not annealed | 79.4 | °C | ASTM D648 |
| 1.8 MPa, not annealed | 68.3 | °C | ASTM D648 |
| Additional Information | | | |

The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.Silicone Content, Compuglass: 5%

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