

LAPRENE® 83F901813 NERO

LAPRENE®

Product information

| | | |
|----------------------|--------|-----------|
| Resin Identification | SEBS | ISO 1043 |
| Part Marking Code | >SEBS< | ISO 11469 |

Rheological properties

| | | |
|----------------------------------|-------------|----------|
| Melt mass-flow rate | 0.1 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 190 °C | |
| Melt mass-flow rate, Load | 5 kg | |

Typical mechanical properties

| | | |
|------------------------------------|---------|------------------------|
| Tensile stress at 100% elongation | 1.9 MPa | ISO 527-1/-2 or ISO 37 |
| Stress at 300% elongation | 2.8 MPa | ISO 527-1/-2 or ISO 37 |
| Stress at break | 7.8 MPa | ISO 527-1/-2 or ISO 37 |
| Elongation at break, perpendicular | 700 % | ISO 527-1/-2 or ISO 37 |
| Shore A hardness, 3s | 72 | ISO 48-4 / ISO 868 |
| Compression set, 70 °C, 24h | 42 % | ISO 815 |
| Tear strength, normal | 30 kN/m | ISO 34-1 |

Physical/Other properties

| | | |
|---------|------------------------|----------|
| Density | 1220 kg/m ³ | ISO 1183 |
|---------|------------------------|----------|

Injection

| | |
|---------------------------------|---------|
| Drying Recommended | yes |
| Drying Temperature | 80 °C |
| Drying Time, Dehumidified Dryer | 2 h |
| Melt Temperature Optimum | 180 °C |
| Min. melt temperature | 170 °C |
| Max. melt temperature | 190 °C |
| Screw tangential speed | ≤15 m/s |
| Mold Temperature Optimum | 30 °C |
| Min. mould temperature | 20 °C |
| Max. mould temperature | 40 °C |

Characteristics

| | |
|------------|--------------------|
| Processing | Injection Moulding |
|------------|--------------------|

Additional information

Processing Notes

Pre-Drying

Drying not necessary

Storage

Laprene must be stored indoors in the original, unopened and undamaged packaging, away from direct sunlight, moisture and heat.