

Sarlink® TPE ME-2690B

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink ME-2690B is a high flow, high hardness molding grade with UV resistance, for automotive exterior applications.

| General Information | | | |
|---|---------------------------------|-------------------|-------------|
| Features | Good UV resistance | | |
| | High liquidity | | |
| Uses | Application in Automobile Field | | |
| | Automotive exterior parts | | |
| Appearance | Black | | |
| Forms | Particle | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.938 | g/cm ³ | ISO 1183 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness | | | ISO 868 |
| Shore A, 5 seconds, injection molding | 95 | | ISO 868 |
| Shore D, 5 seconds, injection molding | 34 | | ISO 868 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress - Across Flow (100% Strain) | 7.30 | MPa | ISO 37 |
| Tensile Strength - Across Flow (Break) | 14.8 | MPa | ISO 37 |
| Tensile Elongation - Across Flow (Break) | 700 | % | ISO 37 |
| Compression Set (70°C, 22 hr) | 78 | % | ISO 815 |
| Additional Information | Nominal Value | Unit | Test Method |
| Apparent Shear Viscosity - Capillary, 206 1/s (200°C) | 160 | Pa · s | ISO 11443 |
| Injection | Nominal Value | Unit | |
| Rear Temperature | 170 - 180 | °C | |
| Middle Temperature | 180 - 200 | °C | |
| Front Temperature | 200 - 220 | °C | |
| Nozzle Temperature | 210 - 230 | °C | |
| Processing (Melt) Temp | 200 - 230 | °C | |
| Mold Temperature | 10.0 - 60.0 | °C | |
| Injection Pressure | 6.00 - 12.0 | MPa | |
| Injection Rate | Fast | | |
| Holding Pressure | 4.00 - 6.00 | MPa | |

| | | |
|------------------------|--------------|-----|
| Back Pressure | 0.500 - 2.00 | MPa |
| Screw Speed | 50 - 120 | rpm |
| Injection instructions | | |

Drying is not necessary. However, if moisture is a problem, dry the pellets 2 to 4 hours at 65 degrees Celsius. Time Settings Injection Time: 0.5-2 seconds Holding Time: 1-10 seconds Cooling Time: As short as possible. The parts should be removable without deformation or piercing of the ejector(s)

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