

Sarlink® TPE EE-2235N

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink® TPE EE-2235N is a thermoplastic elastomer (TPE) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is: extrusion.

Sarlink® The typical application field of TPE EE-2235N is: automobile industry

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Uses | Car exterior decoration | | |
| Appearance | Opacity | | |
| Forms | Particle | | |
| Processing Method | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.17 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 0.60 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness | | | ASTM D2240 |
| Shaw A | 38 | | ASTM D2240 |
| Shaw A, 15 seconds | 35 | | ASTM D2240 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ASTM D412 |
| Transverse flow: 100% strain | 0.552 | MPa | ASTM D412 |
| Flow: 100% strain | 0.896 | MPa | ASTM D412 |
| Tensile Strength | | | ASTM D412 |
| Transverse flow: Fracture | 5.24 | MPa | ASTM D412 |
| Flow: Fracture | 3.10 | MPa | ASTM D412 |
| Tensile Elongation | | | ASTM D412 |
| Transverse flow: Fracture | 930 | % | ASTM D412 |
| Flow: Fracture | 730 | % | ASTM D412 |
| Tear Strength - Across Flow | 18.7 | kN/m | ASTM D624 |
| Compression Set | | | ASTM D395 |
| 23°C, 22 hr | 10 | % | ASTM D395 |
| 70°C, 22 hr | 24 | % | ASTM D395 |
| 125°C, 70 hr | 79 | % | ASTM D395 |
| Injection | Nominal Value | Unit | |
| Rear Temperature | 199 - 210 | °C | |
| Middle Temperature | 204 - 216 | °C | |
| Front Temperature | 210 - 221 | °C | |
| Nozzle Temperature | 216 - 227 | °C | |

| | | |
|------------------------|---------------|-----|
| Processing (Melt) Temp | 216 - 227 | °C |
| Mold Temperature | 35.0 - 65.6 | °C |
| Injection Pressure | 1.38 - 6.89 | MPa |
| Injection Rate | Fast | |
| Back Pressure | 0.172 - 0.862 | MPa |
| Screw Speed | 50 - 120 | rpm |
| Cushion | 3.81 - 25.4 | mm |

Injection instructions

无需干燥.但如果湿度过大,则将粒料在150°F (65°C)的温度下干燥2-4小时.

| Extrusion | Nominal Value | Unit |
|-----------------------|---------------|------|
| Cylinder Zone 1 Temp. | 193 - 204 | °C |
| Cylinder Zone 2 Temp. | 199 - 210 | °C |
| Cylinder Zone 3 Temp. | 204 - 216 | °C |
| Cylinder Zone 5 Temp. | 210 - 221 | °C |
| Die Temperature | 216 - 227 | °C |

Extrusion instructions

螺杆转速30 - 100 rpm

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