# Sarlink® TPE ME-2380-02 (PRELIMINARY DATA)

## Teknor Apex Company - Thermoplastic Elastomer

Friday, April 3, 2026

### General Information

**Product Description**

Sarlink ME-2380-02 is a high performance thermoplastic elastomer designed for automotive molded applications. Sarlink ME-2380-02 is a medium hardness, low density, light stabilized grade delivering excellent aesthetics and good injection molding cycle times.

| General | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Features | • Chemical Resistant<br>• Good Adhesion<br>• Good Color Stability<br>• Good Colorability<br>• Good Mold Release | • Good Moldability<br>• Good Processability<br>• Good Surface Finish<br>• High Flow<br>• High Slip | • Light Stabilized<br>• Low Density<br>• Low Specific Gravity<br>• Medium Hardness<br>• Resilient |
| Uses | • Automotive Applications<br>• Automotive Exterior Parts<br>• Automotive Exterior Trim | • Automotive Interior Parts<br>• Automotive Interior Trim<br>• Handles | • Rubber Replacement |
| RoHS Compliance | • RoHS Compliant | | |
| Appearance | • Black<br>• Colors Available | • Natural Color<br>• Opaque | |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |

### Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density | 0.910 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 20 | g/10 min | ASTM D1238 |
| **Elastomers** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress [2] | | | ISO 37 |
| Across Flow : 100% Strain | 406 | psi | |
| Flow : 100% Strain | 464 | psi | |
| Tensile Stress [2] | | | ISO 37 |
| Across Flow : Break | 1230 | psi | |
| Flow : Break | 1310 | psi | |
| Tensile Elongation [2] | | | ISO 37 |
| Across Flow : Break | 710 | % | |
| Flow : Break | 690 | % | |
| Tear Strength [3] | | | ISO 34-1 |
| Across Flow | 188 | lbf/in | |
| Flow | 183 | lbf/in | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Shore Hardness | | | ISO 868 |
| Shore A, Instant, Injection Molded | 82 | | |
| Shore A, 5 sec, Injection Molded | 79 | | |
| Shore A, 15 sec, Injection Molded | 77 | | |
| **Fill Analysis** | **Nominal Value** | **Unit** | **Test Method** |
| Apparent Viscosity (392°F, 207 sec^-1) | 146 | Pa·s | ASTM D3835 |

Revision Date: 11/3/2023

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## Processing Information

| Injection | Nominal Value | Unit |
|---|---|---|
| Rear Temperature | 360 to 400 | °F |
| Middle Temperature | 380 to 420 | °F |
| Front Temperature | 420 to 460 | °F |
| Nozzle Temperature | 420 to 460 | °F |
| Processing (Melt) Temp | 420 to 460 | °F |
| Mold Temperature | 60 to 90 | °F |
| Injection Pressure | 200 to 1000 | psi |
| Injection Rate | Fast | |
| Back Pressure | 25.0 to 125 | psi |
| Screw Speed | 50 to 120 | rpm |
| Cushion | 0.150 to 1.00 | in |

**Injection Notes**

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

## Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Type 1, 20 in/min

[3] Method Ba, Angle (Unnicked), 20 in/min

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