# Monprene® CP-10130 (PRELIMINARY DATA)

## Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

### General Information

**Product Description**

The Monprene CP-10100 Series of thermoplastic elastomer compounds, available in NAT or colors, from 40 to 90 Shore A, are designed specifically for consumer product applications requiring a soft, rubber-like feel. Monprene CP-10130 is a low hardness, low density, unfilled grade that is suitable for injection molding.

**General**

| | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East<br>• Europe | • Latin America<br>• North America | |
| Features | • Good Adhesion<br>• Good Colorability<br>• Good Processability<br>• Low Density | • Low Flow<br>• Low Hardness<br>• Low Specific Gravity<br>• Lubricated | • Slip<br>• Without Fillers |
| Uses | • Consumer Applications<br>• Handles | • Kitchenware<br>• Knobs | • Rubber Replacement<br>• Soft Touch Applications |
| RoHS Compliance | • RoHS Compliant | | |
| Appearance | • Natural Color | • Translucent | |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |

### Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 0.890 | | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) | 1.5 | g/10 min | ASTM D1238 |
| **Elastomers** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress - Across Flow (100% Strain) | 69.6 | psi | ISO 37 |
| Tensile Stress - Across Flow (Break) | 609 | psi | ISO 37 |
| Tensile Elongation - Across Flow (Break) | 860 | % | ISO 37 |
| Tear Strength [2] | | | ISO 34-1 |
| Across Flow | 35.4 | lbf/in | |
| Flow | 69.1 | lbf/in | |
| Compression Set | | | ISO 815 |
| 73°F, 22 hr | 13 | % | |
| 158°F, 22 hr [3] | 20 | % | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Shore Hardness | | | ISO 868 |
| Shore A, 1 sec, Injection Molded | 31 | | |
| Shore A, 5 sec, Injection Molded | 29 | | |
| **Fill Analysis** | **Nominal Value** | **Unit** | **Test Method** |
| Apparent Viscosity (392°F, 206 sec^-1) | 204 | Pa·s | ASTM D3835 |

**Legal Statement**

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### Processing Information

| Injection | Nominal Value | Unit |
|---|---|---|
| Rear Temperature | 320 to 350 | °F |
| Middle Temperature | 360 to 400 | °F |
| Front Temperature | 360 to 420 | °F |
| Nozzle Temperature | 360 to 440 | °F |
| Processing (Melt) Temp | 360 to 440 | °F |
| Mold Temperature | 80 to 120 | °F |
| Injection Rate | Moderate-Fast | |
| Back Pressure | 25.0 to 100 | psi |
| Screw Speed | 50 to 100 | rpm |
| Cushion | 0.150 to 0.500 | 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] Method Ba, Angle (Unnicked)

[3] Type A


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