# Telcar® TL-2480F

## Teknor Apex Company - Thermoplastic Elastomer

Tuesday, April 7, 2026

## General Information

**Product Description**

Telcar TL-2480F is a general purpose thermoplastic elastomer designed for a variety of industrial applications. Telcar TL-2480F is a medium density, high hardness grade suitable for injection molding.

| General | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Features | • Bondability<br>• Filled<br>• General Purpose<br>• Good Colorability | • Good Mold Release<br>• Good Moldability<br>• Good Processability<br>• High Flow | • High Hardness<br>• Medium Density |
| Uses | • General Purpose<br>• Grommets | • Industrial Applications<br>• Industrial Parts | • Rubber Replacement |
| RoHS Compliance | • RoHS Compliant | | |
| Appearance | • Colors Available | • Natural Color | • Opaque |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |

## Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 0.980 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 26 | g/10 min | ASTM D1238 |
| **Elastomers** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength (Break) | 715 | psi | ASTM D412 |
| Tensile Elongation (Break) | 460 | % | ASTM D412 |
| Tear Strength | | | ASTM D624 |
| Across Flow | 143 | lbf/in | |
| Flow | 173 | lbf/in | |
| Compression Set [2] | | | ASTM D395B |
| 73°F, 22 hr | 40 | % | |
| 158°F, 22 hr | 63 | % | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Durometer Hardness | | | ASTM D2240 |
| Shore A, 1 sec | 82 | | |
| Shore A, 15 sec | 79 | | |

**Legal Statement**

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchaser assumes all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or others. There is no warranty of merchantability and there are no other warranties for the products described. For detailed Product Stewardship information, please contact us. Any product of Teknor Apex, including product names, shall not be used or tested in medical or food contact applications without the prior written acknowledgement of Teknor Apex as to the intended use. Please note that some products may not be available in one or more countries.

## Processing Information

| Injection | Nominal Value | Unit |
|---|---|---|
| Rear Temperature | 340 to 380 | °F |

Revision Date: 8/23/2019

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| Injection | Nominal Value | Unit |
|---|---|---|
| Middle Temperature | 350 to 390 | °F |
| Front Temperature | 360 to 400 | °F |
| Nozzle Temperature | 370 to 410 | °F |
| Processing (Melt) Temp | 370 to 410 | °F |
| Mold Temperature | 77 to 150 | °F |
| Injection Pressure | 200 to 1000 | psi |
| Injection Rate | Moderate-Fast | |
| Back Pressure | 25.0 to 50.0 | psi |
| Screw Speed | 50 to 100 | rpm |
| Cushion | 0.150 to 1.00 | in |

### Notes

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

[2] Type 1


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