# Sarlink® TPE ML-1660N NAT

## Teknor Apex Company - Thermoplastic Elastomer

Friday, April 3, 2026

### General Information

**Product Description**

Sarlink ML-1600 series is a high performance, high flow thermoplastic elastomer series, available in NAT and BLK designed for automotive interior applications. Sarlink ML-1660N NAT is a medium hardness, medium density grade with excellent surface appearance suitable for injection molding.

| General | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Features | • Chemical Resistant<br>• Filled<br>• Good Adhesion<br>• Good Flexibility | • Good Moldability<br>• Good Surface Finish<br>• Good Tear Strength<br>• Good Toughness | • Medium Density<br>• Medium Flow<br>• Medium Hardness<br>• Resilient |
| Uses | • Automotive Applications<br>• Automotive Interior Parts<br>• Flexible Grips | • Grommets<br>• Knobs<br>• Rubber Replacement | • Soft Touch Applications |
| 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 | 0.990 | g/cm³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 16 | g/10 min | ASTM D1238 |
| **Elastomers** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress [2] | | | ISO 37 |
| Across Flow : 100% Strain | 236 | psi | |
| Flow : 100% Strain | 325 | psi | |
| Tensile Stress [2] | | | ISO 37 |
| Across Flow : Break | 972 | psi | |
| Flow : Break | 841 | psi | |
| Tensile Elongation [2] | | | ISO 37 |
| Across Flow : Break | 860 | % | |
| Flow : Break | 740 | % | |
| Tear Strength [3] | | | ISO 34-1 |
| Across Flow | 131 | lbf/in | |
| Flow | 143 | lbf/in | |
| Compression Set [4] | | | ISO 815 |
| 73°F, 22 hr | 22 | % | |
| 158°F, 22 hr | 43 | % | |
| 194°F, 70 hr | 65 | % | |
| 257°F, 70 hr | 92 | % | |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Shore Hardness | | | ISO 868 |
| Shore A, 1 sec, Injection Molded | 62 | | |
| Shore A, 5 sec, Injection Molded | 60 | | |
| Shore A, 15 sec, Injection Molded | 58 | | |

Revision Date: 6/24/2019

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 purchasers assume 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 by others. There is no warranty of merchantability and there are no other warranties for the products described.

Copyright © 2026 UL Prospector

# Sarlink® TPE ML-1660N NAT

## Teknor Apex Company - Thermoplastic Elastomer

| Aging | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Change in Tensile Strength in Air [5] | | | ISO 188 |
| Across Flow : 230°F, 1008 hr | 8.3 | % | |
| Flow : 230°F, 1008 hr | 6.2 | % | |
| Across Flow : 100% Strain 230°F, 1008 hr | 3.0 | % | |
| Flow : 100% Strain 230°F, 1008 hr | 9.0 | % | |
| Across Flow : 257°F, 168 hr | 12 | % | |
| Flow : 257°F, 168 hr | 3.6 | % | |
| Across Flow : 100% Strain 257°F, 168 hr | 5.5 | % | |
| Flow : 100% Strain 257°F, 168 hr | 9.8 | % | |
| Change in Tensile Strain at Break in Air [5] | | | ISO 188 |
| Across Flow : 230°F, 1008 hr | 6.8 | % | |
| Flow : 230°F, 1008 hr | 6.7 | % | |
| Across Flow : 257°F, 168 hr | 9.5 | % | |
| Flow : 257°F, 168 hr | 7.5 | % | |
| Change in Shore Hardness in Air | | | ISO 188 |
| Shore A, 230°F, 1008 hr [6] | 4.1 | | |
| Shore A, 230°F, 1008 hr [7] | 3.4 | | |
| Shore A, 230°F, 1008 hr [8] | 3.6 | | |
| Shore A, 257°F, 168 hr [6] | 4.4 | | |
| Shore A, 257°F, 168 hr [7] | 3.8 | | |
| Shore A, 257°F, 168 hr [8] | 3.8 | | |

| Fill Analysis | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Apparent Viscosity (392°F, 206 sec^-1) | 113 | Pa·s | ASTM D3835 |

**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 |
| 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 | 60 to 90 | °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 |

**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).

Revision Date: 6/24/2019

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 purchasers assume 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 by others. There is no warranty of merchantability and there are no other warranties for the products described.

Copyright © 2026 UL Prospector

# Sarlink® TPE ML-1660N NAT

## Teknor Apex Company - Thermoplastic Elastomer

### 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

[4] Type A

[5] Type 1

[6] 15 sec

[7] 5 sec

[8] 1 sec


**Teknor Apex Company**
**Corporate Headquarters**

*In U.S. for Vinyls, TPEs, Colorants,*

*Engineered Thermoplastics (Chem Polymer)*
505 Central Avenue
Pawtucket, Rhode Island 02861 U.S.

Phone: 401-725-8000
Fax: 401-725-8095
Toll Free (U.S. only) 800-556-3864

www.teknorapex.com
info@teknorapex.com

**Teknor Apex B.V.**

Brightlands Chemelot Campus Umonderbaan 22
6167 RD Geleen, Netherlands

Phone: +31 46 7020 950
Fax: +31 46 7020 990

www.teknorapex.com
tpe@teknorapex.com

**Teknor Apex (Suzhou) Advanced Polymer Compounds Co. Pte. Ltd.**

No. 78 Ping Sheng Road

Suzhou Industrial Park
Jiangsu, China 215126

Phone: (86) 512-6287-1550
Fax: (86) 512-6288-8371

www.teknorapex.com
infotaap@teknoapex.com

**Teknor Apex Asia Pacific PTE. LTD.**

41 Shipyard Road

Singapore 628134

Phone: (65) 6265-2544
Fax: (65) 6265-1821

www.teknorapex.com
infotaap@teknorapex.com



Revision Date: 6/24/2019



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 purchasers assume 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 by others. There is no warranty of merchantability and there are no other warranties for the products described.

Copyright © 2026 UL Prospector