



OVERVIEW

Thermoplastic Elastomers, or TPEs, are the premier choice of soft, flexible materials due to their robust properties, cost effectiveness, and design flexibility. As a global leader in compounding, Teknor Apex offers the broadest portfolio of TPE technologies in the industry, including styrenic block copolymer (SBC) compounds, polyolefin blends (TPE-O or TPO), thermoplastic vulcanizates (TPE-Vs or TPVs), polyurethane compounds (TPE-U or TPU), and other specialty blends.

SARLINK® TPES AND TPVS OFFER A FASTER, MORE COST-EFFECTIVE PROCESS, PROVIDING A SUSTAINABLE ALTERNATIVE TO THERMOSET RUBBER IN SEALING APPLICATIONS.

CHARACTERISTICS AND PROPERTIES

By taking a more focused approach to address each market's needs, Teknor Apex's TPE product lines are aligned with the industries that they serve. Standard grades often meet the applicable regulations and specifications for that industry. As a result, Teknor Apex's TPE compounds are likely to be pre-qualified for your application, which can accelerate your speed to market with new products.

- Excellent elastic properties
- UV and ozone resistant
- Superior longterm performance
- Adhesion to polyolefins and other TPEs
- Greater versatility and customization
- Excellent weatherability
- Matte finish with superior surface aesthetics
- Suitable for molding, extrusion, and co-extrusion
- High melt strength and a broad processing window
- Custom color matching available
- Remains flexible at low temperatures
- Chemical and fluid resistant
- Excellent colorability
- Specialty grades bond to PC, ABS, and Nylon
- Very broad hardness range (30A to 50D)

Automotive

Specified by OEMs globally, Sarlink® has been a recognized brand in the automotive industry for decades, steadily displacing EPDM rubber, due to advancements in processing, design, and weight reduction. Sarlink® TPVs are a premier choice for flexible parts requiring long-term performance. The portfolio includes styrenic thermoplastic elastomers (TPE-S or SBC), a new level of compounding versatility for the automotive industry, addressing the need for more customized solutions.

Applications include:

- Sealing systems
- Interior
- Exterior
- Under the hood



UV and ozone resistant

Building & Construction

From residential homes to commercial buildings and from highways to railways, Sarlink® TPVs can be found in static and dynamic seals, boots, membranes, expansion joints, and any other building and construction products that require excellent long-term performance and shape retention. Sarlink® TPVs offer excellent abrasion, UV, and ozone resistance and remain flexible even at extreme temperatures, so seals won't crack over time.

Applications include:

- Drainage
- Irrigation
- HVAC
- Air Distribution
- Glazing
- Structural Seals
- Highways and Railways



Long-term performance and shape retention



Excellent resistance to extreme temperatures

Industrial

Sarlink® thermoplastic vulcanizates (TPVs) are the premier choice for industrial products that require long-term performance in harsh environments, like seals, gaskets, and industrial hose. Sarlink® has excellent resistance to flex fatigue, chemicals, and extreme temperatures. Sarlink® TPVs have displaced thermoset rubber in industrial applications, offering better long-term aging performance and increased design flexibility. Unlike rubber, Sarlink® can be co-molded or co-extruded onto a rigid part to make the ultimate seal, eliminating the need for assembly.

Applications include:

- Pipe Seals
- Foamed Drum Seals
- Diaphragm Seals
- Gaskets
- HVAC Components
- Industrial Hose
- Hydraulic Hose
- Vacuum Hose
- Hose Mandrels
- Washers

Learn more at nexeoplastics.com/teknorapex/sarlink or contact us to request a free sample.

Nexeo Plastics
1780 Hughes Landing Blvd
Suite 1000
The Woodlands, TX 77380 USA
nexeoplastics.com

To Place Your Order:
US & Canada: 833.446.3936
getplastics@nexeoplastics.com
Mexico: +52 55 4749 1710
ventas@nexeoplastics.com

For Technical Questions:
US & Canada: 866.430.9666
Mexico: +52 81 1182 5109
techconnect@nexeoplastics.com



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