

## Customised, Flexible Solutions

TRINSEO is a global producer of plastics, latex binders and synthetic rubbers. In 2017, TRINSEO acquired the TPE manufacturer Applicazioni Plastiche Industriali (API), integrating 60 years of know-how in TPE and TPU compounds into its product portfolio.

TRINSEO specialises in the automotive industry and develops compounds for interior, exterior and engine compartment applications. Thermoplastic elastomer compounds are developed to meet the stringent requirements and standards of automotive manufacturers in terms of emissions, odour, lightfastness, etc. In addition, the TPE compounds can be produced in the desired OEM color.

In addition to products for the automotive industry, K.D. Feddersen's TRINSEO TPE portfolio offers solutions for household appliances, consumer electronics, mechanical engineering, electrics & electronics and many other areas of application.

We deliver solutions for your applications based on TPS, TPO, OBC, TPV, TPC or TPU as well as color masterbatches – for both injection moulding and extrusion.



## Strong Adhesion and Bonding

With TPEs from TRINSEO, K.D. Feddersen offers a wide and versatile range of modified TPE compounds with excellent adhesion. The modified TPEs can be excellently combined with polyamides (PA 6, PA 6.6, PA 12), polyesters (PBT, PET), POM, ABS, PC/ABS, polyolefins (PP and PE) and other polymers in the 2K injection moulding process. These plastics for the hard component can also be obtained from us. We will be pleased to advise you on the individual material combination for your application.

The VDI 2019 standard describes the testing of the adhesion of thermoplastic elastomers (TPE) to thermoplastic substrates. As a TPE specialist, TRINSEO is an active member of the committee that has helped to shape and define this particular standard. In our own overmoulding centre, test specimens according to the VDI 2019 standard are produced with a special 2K mould and tested with state-of-the-art laboratory technology.

## People. Think. Plastics.

Together with you, we think about solutions with thermoplastic elastomers. Benefit from our technical application advice. We implement your requirements with the right material – including service and tailor-made logistics concepts.

[www.peoplethinkplastics.com](http://www.peoplethinkplastics.com)

## Product Series

MEGOL™	TPS-SEBS
RAPLAN™	TPS-SBS
APIGO™	TPO
NEOGOL™	OBC
TIVILON™	TPV
API L™	TPC
APILON 52™	TPU
APICOLOR™	Color concentrates

## From the Idea to the Start of Production

In your project, you need a partner for the development, design, calculation and simulation up to trial and test, as well as for commercialisation and qualification? Our sister company M.TEC ENGINEERING GmbH solves even your most demanding challenges. Would you like to get to know M.TEC and its expertise? We can set up the discussion!

## We Are Here for You

Do you need a solution using TPE for your application? Then get in touch with us and we will drive your project forward.

Your partner for:



**TRINSEO**™

## Would You Like to Know More about these Products? Please Contact Us.

MEGOL™ TPS-SEBS	RAPLAN™ TPS-SBS	APIGO™ TPO	NEOGOL™ OBC	TIVILON™ TPV	API L™ TPC	APILON 52™ TPU	APICOLOR™ color concentrates for TPE
<b>Properties</b> <ul style="list-style-type: none"> <li>Styrene/ethylene-butylene/styrene block copolymer</li> <li>Service temperature from -50 °C to 120 °C</li> <li>Low emission and low fogging</li> <li>Excellent soft-touch properties</li> <li>Good compression set</li> </ul>	<b>Properties</b> <ul style="list-style-type: none"> <li>Styrene/butadiene block copolymer</li> <li>Service temperature from -50 °C to 60 °C</li> <li>Very good low-temperature flexibility</li> <li>Good resistance to acids and alkalis</li> <li>High abrasion and slip resistance</li> </ul>	<b>Properties</b> <ul style="list-style-type: none"> <li>Thermoplastic polyolefin</li> <li>Service temperature from -50 °C to 90 °C</li> <li>Good tear resistance</li> <li>Very good low-temperature flexibility</li> <li>Good resistance to acids and alkalis</li> </ul>	<b>Properties</b> <ul style="list-style-type: none"> <li>Olefin block copolymer</li> <li>Service temperature from -50 °C to 80 °C</li> <li>UV-stable, ozone-resistant and highly weather-resistant</li> <li>Chemical resistance to acids, alkalis, detergents and aqueous solutions</li> </ul>	<b>Properties</b> <ul style="list-style-type: none"> <li>Cross-linked PP+EPDM</li> <li>Service temperature from -40 °C to 130 °C</li> <li>Very good mechanical properties</li> <li>UV-stable, ozone-resistant and highly weather-resistant</li> <li>Highly abrasion-resistant</li> <li>Good compression set</li> </ul>	<b>Properties</b> <ul style="list-style-type: none"> <li>Thermoplastic copolyester elastomer</li> <li>Service temperature from -40 °C to 120 °C</li> <li>Good low-temperature flexibility</li> <li>Maintains properties even at high temperatures</li> <li>Good chemical resistance to various substances, oils and solvents</li> </ul>	<b>Properties</b> <ul style="list-style-type: none"> <li>Thermoplastic polyurethane elastomer</li> <li>Service temperature of TPU ester from -30 °C to 100 °C; TPU ether from -50 °C to 90 °C</li> <li>Excellent wear and abrasion resistance</li> <li>Very good low-temperature flexibility</li> <li>High resistance to oils, greases, oxygen and ozone</li> </ul>	<b>Properties</b> <ul style="list-style-type: none"> <li>Color concentrates for the self-coloring of thermoplastic elastomers</li> <li>Color masterbatch for injection moulding and extrusion</li> </ul>
<b>Features</b> <ul style="list-style-type: none"> <li>Hardness ratings from 5 Shore A to 60 Shore D</li> <li>Injection moulding grades</li> <li>Extrusion grades</li> </ul>	<b>Features</b> <ul style="list-style-type: none"> <li>Hardness ratings from 20 Shore A to 50 Shore D</li> <li>Injection moulding grades</li> <li>Extrusion grades</li> </ul>	<b>Features</b> <ul style="list-style-type: none"> <li>Hardness ratings from 20 Shore A to 60 Shore D</li> <li>Injection moulding grades</li> <li>Extrusion grades</li> <li>Custom formulations for airbag covers</li> </ul>	<b>Features</b> <ul style="list-style-type: none"> <li>Hardness ratings from 20 Shore A to 60 Shore D</li> <li>Injection moulding grades</li> </ul>	<b>Features</b> <ul style="list-style-type: none"> <li>Hardness ratings from 30 Shore A to 60 Shore D</li> <li>Injection moulding grades</li> <li>Extrusion grades</li> </ul>	<b>Features</b> <ul style="list-style-type: none"> <li>Hardness ratings from 25 Shore A to 72 Shore D</li> <li>Injection moulding grades</li> <li>Extrusion grades</li> </ul>	<b>Features</b> <ul style="list-style-type: none"> <li>Hardness ratings from 40 Shore A to 72 Shore D</li> <li>Injection moulding grades</li> <li>Extrusion grades</li> <li>Grades with increased transparency</li> </ul>	<b>Features</b> <ul style="list-style-type: none"> <li>Broad spectrum based on polymers: PE, EVA, PVC, PS, TPU</li> <li>Color matching according to RAL, PANTONE and NCS</li> <li>Individual color concentrates according to customer requirements</li> </ul>

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