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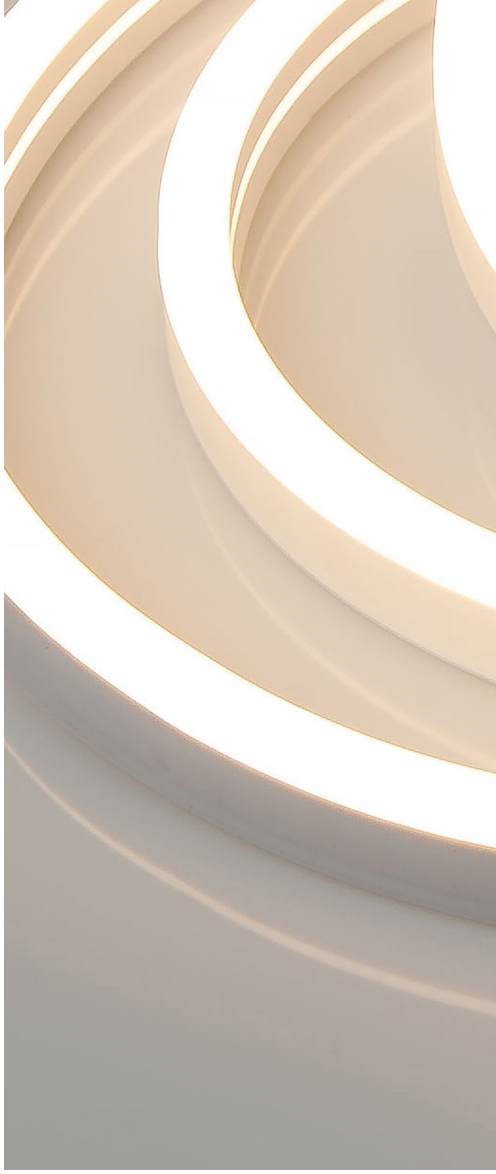


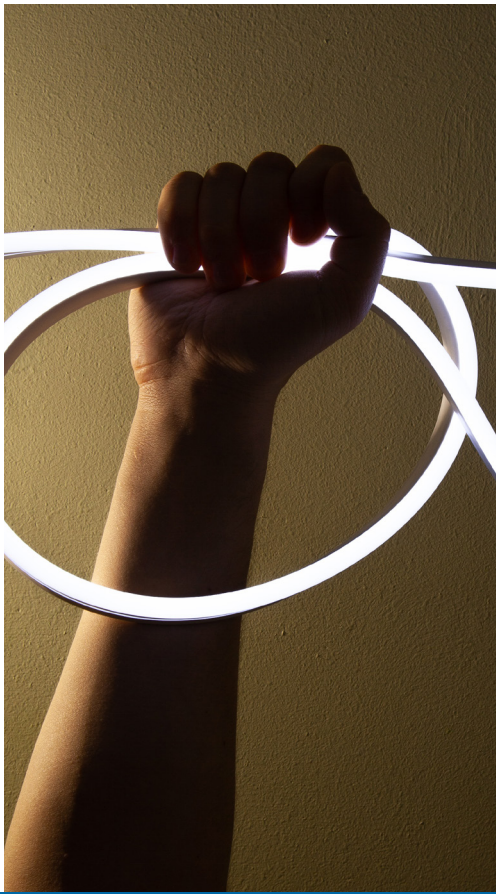
## SITRALEN (TPS)

## FOR FLEXIBLE LIGHTING SYSTEMS

With SITRALEN (TPS) our product development is presenting another new product from the EN-Light series. The material is especially suitable for flexible lighting systems. The TPE compound, based on a styrene block copolymer, permits extensive application possibilities in different shore hardnesses combined with diffuse transmission settings.
An extraordinarily homogeneous light scattering over the entire surface or profile can be achieved. Combined with the high-quality haptic properties of the compound, there are no limits to design ideas. The material can be used within a wide range of applications - from the automotive and electrical industries to extensive possibilities in the consumer goods sector.

## TYPICAL APPLICATIONS

- Flexible light diffusing panels
- Design applications
- Illuminated sealing systems
- Variable lighting solutions



SITRAPLAS GmbH | Maybachstr. 23 | 32257 Bünde | Tel.: 052 23 . 4 91 09 0 | info@sitraplas.com | www.sitraplas.com

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## UNIQUE OPPORTUNITIES

The demand on plastics in terms of use and life cycle, but also the possibilities in development and production of polymers, are constantly increasing. This is a permanent motivation for us at SITRAPLAS to develop market-driven innovations. In our ultra-modern technical center, our team of chemists, technicians, and plastics engineers, always work on new, practical product solutions that fully meet our customers' high requirements. One result of this development is SITRALEN (TPS) as part of the EN-Light series. This product range allows unique possibilities for our customers in design and product creation.

## OUTSTANDING FEATURES

- Soft touch surface
- Good mechanical properties
- Wide range of colours
- Different transmittances adjustable
- High flexibility
- Reversible extensibility
- Chemical resistant
- Water resistant
- Wide range of Shore hardnesses

## EXEMPLARY TECHNICAL DATA

| | | Norm | | Sitralen (TPS) EL-F20/D9080 | Sitralen (TPS) EL-C40/D9075 | Sitralen (TPS) EL-F40/D9085 |
|---|---|---|---|---|---|---|
| Shore-Hardness A | 15s | DIN ISO 7619-1 | Sh A | 70 | 70 | 65 |
| Density | 23 °C | ISO 1183 | g / $cm^3$ | 0,89 | 0,89 | 0,89 |
| Transmission | d/0°, D65, 1 mm | DIN 5033-7 | % | 80,33 | 76,74 | 84,29 |
| Transmission | d/0°, D65, 2 mm | DIN 5033-7 | % | 74,72 | 61,11 | 77,59 |
| Correlated Haze | 1 mm | | % | 59,27 | 97,72 | 88,62 |
| Correlated Haze | 2 mm | | DE | 77,83 | 99,04 | 95,73 |

Compounds for
**individual**
**Light-Systems**

Contact us for details!

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