# Sconablend® TPE 25 X 114-1 Natural

**Characteristics** **thermoplastic elastomer**

**Sconablend® TPE 25 X 114-1** is a compound for thermoplastic processing with rubber - like properties.
**Sconablend® TPE 25 X 114-1** provides a number of outstanding physical properties:

- **high elasticity, flexural and tensile strength**
- **low density**
- **good flexibility at low temperatures and ageing properties**
- **reuse of in-plant waste without difficulties**

## Properties / Application

**Sconablend® TPE 25 X 114-1** has excellent adhesion to polyolefines, blends and composites based on polyolefines. Therefore it opens interesting possibilities for solutions in the production and processing of hard - soft connections by two component injection-moulding or coextrusion welding, e.g. sealing lips for fan systems.

## Processing

**Sconablend® TPE 25 X 114-1** can be processed by injection-moulding.
Injection-moulding melt temperatures ranging from **180°C to 230°C** and mould temperatures ranging from **30°C to 50°C** are recommended.
The injection rate should be as high as possible.

**Sconablend® TPE 25 X 114-1** is not hygroscopic and therefore drying is not necessary if the material is stored properly.

## Supply and storage

**Sconablend® TPE 25 X 114-1** is supplied in the form of cylindrical granules in **natural tone**. It is delivered in cardboard boxes of 25 kg.

The material should be stored in the original packing in dry rooms at temperatures lower than 35°C and protected from detrimental factors such as water and / or intensive solar radiation.

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## Typical characteristics

| **Eigenschaften/ Caracteristiques/ Characteristics** | **Einheit/ Unites/ Units** | **Norm/ Methodes d' essai/ Test method** | **Wert/ Valeurs/ Values** |
|---|---|---|---|
| Dichte/*Dendité/Density* | g/cm³ | ISO 1183 | 1,08 ± 0,03 |
| Härte/*Dureté/Hardness* | Shore A | ISO 868 | 26 ± 5 |
| Modul, 100%/*Module, 100%/Modulus at 100%*<br>- längs/*longitudinal/longitudinal*<br>- quer/*transversal/transverse* | N/mm² | ISO 527 | <br>> 0,6<br>> 0,4 |
| Zugfestigkeit/*Résistance en traction au seuil/ Tensile strength at yield*<br>- längs/*longitudinal/longitudinal*<br>- quer/*transversal/transverse* | N/mm² | ISO 527 | <br>2,2 - 5,5<br>> 5,9 |
| Bruchdehnung/*Allongement de rupture/ Strain at break*<br>- längs/*longitudinal/longitudinal*<br>- quer/*transversal/transverse* | % | ISO 527 | <br>> 800<br>> 850 |
| Druckverformungsrest (22h, 70°C)/*Déformation rémanente/Compression set* | % | ISO 815 | < 35 |

The information, properties and recommendations in this file are based on the current technical knowledge and past experience. They are provided for general guidance only. All recommendations and suggestions are therefore made without guarantee.

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