Sconablend® TPE 70 X 062 Natural

Characteristics **thermoplastic elastomer**

Sconablend® TPE 70 X 062 is a compound for thermoplastic processing with rubber - like properties.
Sconablend® TPE 70 X 062 provides a number of outstanding physical properties:

- **high elasticity, flexural and tensile strength**
- **low density**
- **good flexibility at low temperatures and ageing properties**
- **good uv-resistance**
- **easy colouring**
- **reuse of in-plant waste without difficulties**
- **good surface properties**
- **good adhesion to HDPE**

Properties / Application

Sconablend® TPE 70 X 062 has excellent adhesion to HDPE. Therefore it opens interesting possibilities for solutions in the production and processing of hard - soft connections by two component injection-moulding.

Processing

Sconablend® TPE 70 X 062 can be processed by injection-moulding and extrusion.
Injection-moulding melt temperatures ranging from **180°C to 220°C** and mould temperatures ranging from **30°C to 50°C** are recommended.
The injection rate should be as high as possible.

Sconablend® TPE 70 X 062 is not hygroscopic and therefore drying is not necessary if the material is stored properly.

Supply and storage

Sconablend® TPE 70 X 062 is supplied in the form of cylindrical granules in **natural tone**. It is delivered in PE bags 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	0,90 ± 0,03
Härte/*Dureté/Hardness*	Shore A	ISO 868	70 ± 5
Modul, 100%/*Module, 100%/Modulus at 100%*	N/mm²	ISO 527	
- längs/*longitudinal/longitudinal*			> 3,3
- quer/*transversal/transverse*			> 2,3
Zugfestigkeit/*Résistance en traction au seuil/ Tensile strength at yield*	N/mm²	ISO 527	
- längs/*longitudinal/longitudinal*			> 5,5
- quer/*transversal/transverse*			> 7,5
Bruchdehnung/*Allongement de rupture/ Strain at break*	%	ISO 527	
- längs/*longitudinal/longitudinal*			> 430
- quer/*transversal/transverse*			> 720
Druckverformungsrest (22h, 70°C)/*Déformation rémanente/Compression set*	%	ISO 815	< 60

Die Angaben in diesem Merkblatt basieren auf dem derzeitigen Stand unserer Kenntnisse und den vorliegenden Erfahrungen. Eine Verbindlichkeit kann daraus nicht abgeleitet werden. Änderungen im Sinne der Weiterentwicklung behalten wir uns vor.

Sconablend® - Registriertes Warenzeichen der **N.V. RAVAGO Plastics S.A.**

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