

# Technical Data Sheet

Version 07/2021

## PE-Rundschnur

### Product Description

PE-Rundschnur is a polyethylene foamed material with a reliable closed-cell structure manufactured as an expanded round profile.

### Product Properties

- absolute closed-cell structure, therefore no moisture and water absorption
- elastic, flexible and resistant to aging
- compatible with all sealants
- complies with DIN 18540 for expansion joint design
- especially for structure work sealing in order to avoid three-point-adhesion
- due to the neutral properties also applicable to absorbent materials



### Areas of Application

The good characteristics of the expanded polyethylene, such as high elasticity and flexibility in combination with its cylindrical shape and the closed skin, make the PE-Rundschnur the ideal back filling material for structure work sealing. It is a closed-cell back filling material and is not absorbing water when applied properly.

PE-Rundschnur meets the technical requirements of back filling materials for joint sealing according to points 2 and 3 of DIN 18540, as well as the requirements of the RAL quality association for back filling materials for sealing of window and outer door connecting joints with joint sealing materials.

### Form of Delivery

Color: grey  
Diameter: 6, 8, 10, 15, 20, 25, 30, 40, 50 mm  
Packing unit: box

### Instructions for Use

When applying the profiles in the joint arrangement, it has to be assured that the PE-Rundschnur is compressed approx. 25 % and that the product is not pressed into the joint with a sharp item as this can damage the surface of the outer skin. Once inserted into the joint, the PE-Rundschnur forms a hollow shape facilitating the sealant application.

## Technical Data

Characteristics	Value
Basis	foamed polyethylene
Raw density	20 – 35 kg/m <sup>3</sup>
Water absorption	negligible after 4 weeks water storage
Temperature resistance	-40 to +60 °C
Permissible length tolerance	± 5 %
Permissible thickness tolerance	up to 25 mm diameter: ± 1,5 mm up to 100 mm diameter: ± 5 mm
Chemical resistance against:	
common acids	resistant, except for concentrated nitric acid
alkaline media	resistant
solvents	resistant
lubricating oils	resistant
detergents	resistant
Resilience after compression	excellent

## Safety Instructions

Keep out of reach of children.

Please refer to the product label for further information on product safety and handling.

Further information on our products can also be found at [www.insebo.com](http://www.insebo.com).

## Service

Upon request, our trained sales representatives are always at your disposal.

## Disposal

For disposal instructions please refer to our safety data sheet and product label.

## Additional Information

This technical data sheet advises without obligation and guarantee. The mentioned processing instructions have to be adapted to the prevailing conditions. The user is obliged to check the suitability and application by own experiments in order to avoid failures.

All given descriptions, data, ratios, weights, etc. can change without notice and do not represent contractually agreed properties of the product. Existing laws, standards and regulations are to be observed by the recipient of our products in their own responsibility.

Due to the large number of possible influences during processing and application, a guarantee of certain properties or suitability for a specific application can not be made, own tests are necessary.

The right to make technical changes is reserved.