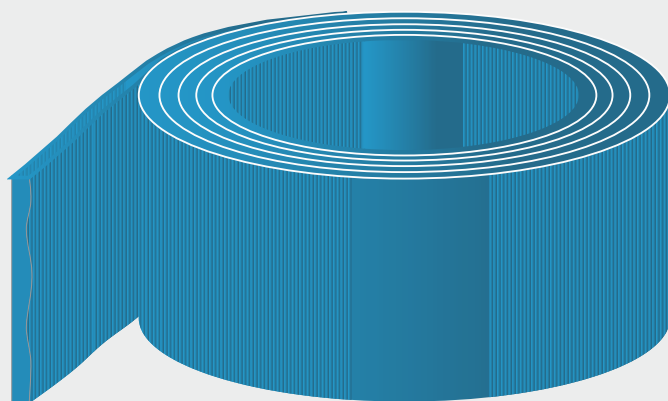


FD polyethylene foam



FD polyethylene foam

Polyethylene foam for absorbing unevenness between the steel rails and other building parts

Page: 1/1

09/2017

Areas of use

Polyethylene foam for absorbing unevenness between the steel rails and other building parts.

Dimensions: 45, 70, 95 og 120 mm.

Material specifications: Non-crosslinked HCFC-free expanded polyethylene foam (LDPE).

| Product data | | | |
|------------------------------------------------------------|---------------------|-------------------|--------|
| Properties* | Test Method | Unit | Value |
| Thickness | DIN 53570, ISO 1923 | mm | 4 |
| Density | DIN 53420, ISO 845 | kg/m ³ | 30 |
| Tensile strength length direction | ISO 1798 | N/mm ² | 0.55 |
| Tensile strength cross direction | ISO 1798 | N/mm ² | 0.29 |
| Elongation at break length direction | ISO 1798 | % | 65.5 |
| Elongation at break cross direction | ISO 1798 | % | 55.2 |
| Heat conductivity | DIN 52612, ISO2581 | W/mK | 0.035 |
| Water absorption | DIN 53433, ISO 2896 | % | 0.5 |
| Compression strength 25% deformation | ISO 3386 | N/mm ² | 0.0263 |
| Compression strength 50% deformation | ISO 3386 | N/mm ² | 0.0783 |
| Compressive set (%) (after 50% deformation in 72 hours) | ISO 1856 | % | 35.3 |
| Aging resistance | SP 0414, ISO 1798 | Ar | 50 |

* These technical data are typical values and not to be considered specification values.

Specific advantages:

- Closed cells
- Very good resistance to solvents, fuel oil and other chemicals
- High resiliency and flexibility
- Excellent cushioning behaviour
- UV resistant and age resistant in alkaline environment
- Temperature stability from -40 to +90°C
- Very good thermal insulation properties
- Easy recycling