

## PE 035

07.2021

PE 035 is a cross-linked closed-cell polyethylene foam. PE foam is suitable as a thermal insulation, contact interruption and sealing for parallel surfaces. Enforceable as both one-sided and a non-adhesive. Available on sheet, roll, reel, strip and as custom punch parts. Available in the colours white and grey.

### PROPERTIES

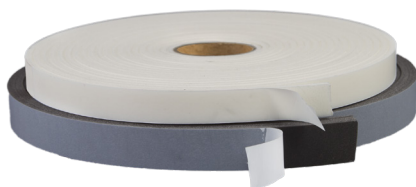
Closed-cell polyethylene complies with specifications, such as airtight and thermally insulating, by making the foam strip properly connect to both jointing surfaces. Applicable for parallel surfaces, due to the limited resilience.

### CHARACTERISTICS

- Cross-linked closed-cell polyethylene foam
- One-sided adhesive and non-adhesive
- For thermal insulation, contact interruption and sealing
- Eco-friendly and chemically neutral
- UV-resistant and rot-free
- Available on sheet, roll, reel, strip and as custom punch parts
- Colours: white and grey

### PROCESSING GUIDELINES

Thoroughly remove dust, dirt and grease from the substrate with neutral Celdex Cleaner. Use the correct tape size for every joint width. PE 035 can be applied on the substrate directly off the roll. Apply the foam tape without tension and with even pressure on the substrate, while preventing air entrapment. For a good sealing, ensure that the PE 035 foam tape properly connects to both joint surfaces and compress approx. 20 %. Compress the product under an angle of approx. 90° with overlength. Foam strips must be applied sunken, approx. 5 mm into the joint. After application apply extra pressure with the Celdex Pressure Roller.



## SAFETY

No specific safety guidelines exist for this product.

## MAINTENANCE INSPECTIONS

Possible damages to the sealing materials can be timely identified by performing periodic inspections. In order to prevent consequential damage, reconstruction works will be carried out in consultation with Celdex. Before any reconstruction works are carried out, it is essential to establish the cause of the damage to the sealing and to ask Celdex for additional advice. This can be done by means of targeted visual inspections or by assessing the damage in a laboratory.

## IN CASE OF DOUBT

When in doubt, or in case of deviating circumstances, you can contact our Technical Department. Would you prefer customised advice? Our technical consultants will be happy to help you.

## CELDEX

Celdex is a producer of synthetic foam products for construction, industry, sports & leisure. In addition to a wide range of standard products, we also provide customisation. Whichever product you choose, we produce everything in-house and use short delivery times. Celdex is the one discussion partner for airtight construction for architects, construction companies and the supplying industry. Our consultants have broad constructional know-how and think along about construction, use of material and critical connections. Our products can usually be applied prefab, which saves a lot of time and construction costs. Throughout the building process, we provide advice about the application and processing of our materials, aiming for optimal performance.

Discover our assortment:

- Foam fillers
- Stone wool products
- Single-sided and double-sided adhesive foam tapes
- Pre-compressed foam tapes
- Butyl tapes
- Fire-resistant products
- Anti-drumming materials
- Duct seals
- Tapes
- Polyurethane foams, elastic sealants and adhesives

## TECHNICAL DATA

Density	Approx. 28 kg/m <sup>3</sup>
Shore (00)	52
Colour	White and grey
Adhesive	Rubber/resin or acrylic
Thermal conductivity	0.034 W/mK
Permeability (NEN/EN 12207)	Class 4
Permeability (NEN 2687)	Class 3
Airborne sound insulation (ISO 10140-2:2012) (Rw)	39 (-1;0) dB / 45 (0;-1) dB (PE + stone wool + PE)
Tensile strength (ISO-1926)	280 kPa
Water absorption in %	Max. 1 %
Elongation at break	110 %
Service temperature range	-30 °C to +100 °C
Application temperature	+5 °C to +40 °C
Available thicknesses	2, 3, 4, 5, 6, 8, 18, 25, 30, 50 mm / on request
Joint type	Flat, parallel
UV-resistance	Good
Shelf life at storage temperature 20 °C	12 months in closed packaging

*The data on this product data sheet was represented as complete and as correctly as possible, but cannot constitute any guarantee. When in doubt, please consult one of our specialists. The application method, as also the application conditions will be your own responsibility. Deliveries will take place exclusively in conformity with our General Delivery and Payment Conditions.*