

# Comprilen

## closed cell polyolefin foam for high durability

**Application:** air conditioning / ventilation, building construction, metal, precast and window.

Replaced by the radiation crosslinking of the foam quality characteristics, especially regarding chemical and UV resistance. Comprilen shows for typical chemicals (oils, Brake fluid and Coolant, 10% nitric / hydrochloric acid, sulfuric acid 30%, 10% sodium chloride, 10% sodium hydroxide, 10% ammonia, acetone, etc.) a change in volume (based on immersion in the test liquid after 28 days) of <9% (fine). Limited use by a volume change 9-24%: 13% gasoline, diesel 10%, 15% soft soap. In indirect sunlight durability; in direct sunlight for 2-5 years, the mechanical properties are reduced and the surface we become crumbly or bleached.

Properties	Standard	Unit	Expression (mean)
<u>foam thickness</u> other thicknesses on request		mm	2, 8, 16 und 20 mm
<u>foam color</u> other colors upon request			White, Grey
<u>density</u>	ISO845	kg/m <sup>3</sup>	33
<u>tensile strength</u> longitudinal transversely	ISO1926	kPa kPa	410 280
<u>elongation</u> longitudinal transversely	ISO1926	% %	140 120
<u>compressive strength S</u> - with compression of 10% - with compression of 25%	ISO3386-1	kPa kPa	26 47
<u>dimensional stability</u> - max./min. temperature - shrink longitudinal/ transversely		°C %	+100 / -80 5
<u>water absorption</u>	ISO2896	vol %	1,0
<u>shore hardness 0 / 00</u>			17/49
<u>tolerance</u>			rough

Above-mentioned values correspond roughly to the material thickness 8mm.

### Additional Information

The above changes were made in good faith. We reserve the right to make changes in the recipe. The buyer has to obtain information on the latest developments of the above product. The manner of use, and the circumstances of the installation are beyond our ability assessment and thus the responsibility of the buyer. Liability under this product information sheet is not accepted. Deliveries are made exclusively by our General Terms and Conditions.