

Technical Datasheet – 4031 Series Norton Norseal Foam

Applications

- Truck cab & body seals
- Truck trailer side walls
- Outdoor lighting fixtures
- Appliance seals
- Metal building seals

Properties	Test Method	Unit	Tolerance	Value
Density	ASTM D-1667	Kg/m ³	-	135-200
Plank thickness	-	mm	-	See chart below
Plank width	-	mm	-	6 to 1422
Plank length	-	mm	-	See chart below
Compression strength	ASTM D-1667	N/cm ²	-	2-5
Deflection, 30%	ASTM D-1667	N/cm ²	-	1-3
Compression set	ASTM D-1667	%	@50%	<10
Hardness (shore 00)	ASTM D-2240	-	-	30
Tensile	DIN 53571	N/cm ²	-	24
Elongation	DIN 53571	%	-	105
Water Absorption	NTP-35	%	-	<15
Water-tightness (U-Test – 30%)	NTP-38	-	-	Pass
Air-tightness	10PRT128	-	@30%, (2000 Pa)	No leak
Service Temperature	-	°C	-	-40 to +70
Application temperature	-	°C	-	-30 to +50
Flammability	UL-94	-	-	HBF
Thermal conductivity	ISO 8302	(mW/mK)	0kPa	33
Fungus resistance	ISO 846 A&C	-	-	0 = inert or fungistatic

Thickness (mm)	Length (m)
1.5	60
3.0	30
4.5	20
6.0	15
10.0	10

Min. useful width: 1360 mm
Colour: Black or grey
Liner: Siliconised paper

Storage

Material should be stored at room temperature.

Shelf Life

The adhesion performance decreases with time; we therefore recommend use within 6 months after delivery.

Soft, closed cell PVC foam. Watertight seal. Flame retardant grade.

Norseal® 2521 is a closed cell PVC foam with a very low density and a low force to compress.

Norseal 2521 is designed to create a watertight seal with a minimal amount of force. This ability allows it to conform easily to rough or irregular surfaces. It is also ideal for sealing thin gauge metals or plastics which could distort easily under greater pressures.

To create an adequate seal, the foam must be compressed a minimum of 30% in the final joint (depending on the shape of the gasket as well as the roughness of both surfaces). Once in place, the foam will be able to handle normal joint movement due to thermal expansion or environmental forces.

The acrylic adhesive used on the Norseal product line is a pressure sensitive adhesive and therefore must be applied to clean, dry surfaces. The adhesive is used to hold the gasket in place before compression.

Flame retardant grade: Norseal 2521 is B1 certified (DIN 4102-01, 05/98). Copy of the certificate will be forwarded on demand.