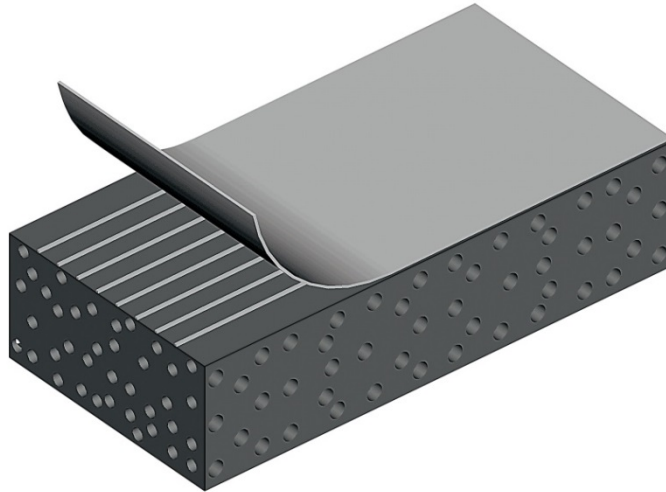


Program 1016 Closed Cell Sponge Rubber



Processing information for self-adhesive closed cell sponge rubber

Surface condition

The surface for the cellular sponge rubber to adhere to must be firm, dry and clean - dust and grease free.

Processing instructions

Self-adhesive cellular sponge rubber must be handled and stored at room temperature. Applications below 5°C should be avoided.

The higher the application pressure and working temperature can be maintained during adhesion (within normal working parameters) , the better the adhesive will penetrate the structure of the surface resulting in an increased adhesive strength.

Self-adhesive cellular sponge rubber must be bonded without stretching or creasing. Both create loads that are bad for long term bonding, even immediate adhesion may be impaired. Full adhesive strength is normally reached after 72 hours.

Contact pressure

The adhesive strength is directly dependent on the contact pressure between the adhesive and the surface. A brief high pressure using a scraper or roller will ensure a good and even surface contact. The exact procedure and pressure strength are dependent on the type of self-adhesive sponge rubber and the surface involved. Self-adhesive foam gasket is unlikely to be damaged by excessive pressure by hand or roller.

Rule of thumb: Medium strong pressure with the thumb is about 20 N/cm²

Storage

Self-adhesive cellular sponge rubber must be stored at 15-20°C and max. 55% relative humidity. High humidity and direct sunlight can influence the strength of the adhesive bond. Storage time should not exceed 6 months.

Note

Our technical support is given in good faith but without warranty and is considered only as non-binding advice. It does not exempt the user from their obligation to check suitability for intended use, e.g. the user should check for their own application using test samples.

Properties	Average value
ASTM D1056 (2000)	2C2 B2 C
Density	170 kg m3
Compression Deflection 25% (35-63)	60 kpa
Compression Deflection 50% (80-160)	131 kpa
Shore Hardness "C" Scale	20-25 Shore
Elongation – Minimum	>150%
Temperature Range (Constant)	-40°C/+70°C
Temperature Range (Intermittent)	+100°C
Water Absorption	<5% Vol
Tensile Strength	>700 KN/m2
Fire Resistance	FMVSS302 Self Extinguishing
Environmental Protection	CFC & HCFC Free

The above figures are average values. We recommend evaluation prior to use to ascertain the suitability of the material for the application.