



ZI 09 Self-adhesive Polyethylene (PE) Foam Gasket, White

Description	Closed-cell, self-adhesive PE foam.
Material	PE-foam made of chemically cross-linked polyethylene. Contains no silicone, halogene or polytetrafluorethylene.
Adhesive	Acrylat dispersion. Contains no silicone, halogene or polytetrafluorethylene.
Color	White
Protective Foil	Siliconized foil (up to 0,5 g Silicone / m ²), white. As the polymerization of the silicone is never 100 % complete, silicone monomers in very small quantities could be transferred to the adhesive material.
Density	40 - 50 kg / m ³ (DIN 53 420)
Compression Strength	50 kPa (ASTM-D 1056)
Compression Set (DIN 53 517)	40 - 50 % at +23°C (+73°F) and 100% at +70°C (+158°F)
Water Absorption	1% max. (DIN 53 428)
Operating Temperature	-70°C (-94°F) to +70°C (+158°F)
Toxikology	Both the PE gasket and the adhesive components can be used in the food industry, as long as there is no direct contact (EU-recommendations 2002/72/EG and 90/128/EWG / Deutsche Bedarfsgegenständeverordnung / FDA Regulation 21 CFR 175.105 for indirect contact with foodstuff).
Hydrofluoric Acids	Good resistance by a concentration between 10 and 30%, although destruction will occur when in permanent contact. Not recommended with higher concentrations.
Emollients / Softening Agents	Good resistance against commercial emollients at usual concentrations.
Resistance Against	Fuels, brake fluid, when in low concentrations in the air, but not resistant when gasket is in direct contact with them.
Limited Resistance Against	Oils and greases. By permanent contact the gasket will be destroyed.
Not Resistant Against	Parafine oils, mineral oils and organic solvents and others.

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