



ZI 03 EPDM Gasket for MU Overcollars

Material	EPDM, Black
Materialbasis	Ethylene Propylene Diene Monomer (DIN ISO 1629)
Bulk Density	120 - 160 kg/m ³ (DIN 53 420)
General Description	Closed celled, flexible EPDM material. Cell dimensions approx. 0,1 to 0,5 mm (DIN 7726). ABS compatible.
Operating Temperatures	-40°C (-40°F) to +100°C (+212°F)
Fire Behavior	Combustible (FMVSS 302)
Outdoor Exposure	Very good resistance (DIN 53 386)
Ozone Test	Cracking level 0 (DIN 53 509)
Corrosion (DIN53428)	On untreated Cu: medium corrosion and wide corona On untreated Ag: medium corrosion and wide corona
Linear Shrinkage	5% max. 24h at 70°C (+158°F) and 10 mm thick
Water Absorption	3% max. (DIN 53 428)
Permanent Set	40-50% at 23°C (73°F) and 85-95% at 70°C (158°F) (DIN 53 517)
Strain Hardening	35-63 kPa (ASTM-D 1056)
Tensile Strength	> 400 kPa (DIN 53 571)
Elongation at Break	> 150 % (DIN 53 571)
Rebound Resilience	55 - 60 % (DIN 53 512)

Can be Used (+):

Many acids and caustic solutions in the usual commercial concentrations, water and steam up to 100°C (212°F), sea water, potassium and sodium derivatives (i.e. kitchen salt solution), diluted alum, detergents, photochemicals, cold ammonia, acetylene, alcohol, glycerin, brake fluid and anti-freezing made of a glycol basis, carbon dioxide, ozone, silicone oil and grease, chlorinated lime, etc.

Milited Use (0):

Chloric gas wet or dry, hot ammonia, and concentrated hydrochloric acids.

Not Recommended (-):

Fuels, oils, grease, white spirit, solvents such as toluol, methylene chloride, chloroform, tetrachlorethylene (PER) diluents for cellulose lacquers, concentrations of nitric and sulphuric acids. The EPDM cannot be used in the food industry.

Remarks:

The above indications do not release the user from the obligation of conducting his own tests in order to confirm the suitability of the product.

Disposal: The EPDM closed cell material contains no substances which should be particularly monitored according to the „TA-Abfall“ regulation dated 01-04-1991 such as cadmium, lead, FCKW, formaldehyde, etc.

Caution: Although the EPDM gasket is described as having „closed cells“, small pores still allow oil or other liquids to go through it (more or less like a sponge), thus affecting the tightness characteristics of the gasket over time.

Disclaimer:

Every effort has been made to ensure that the information contained in this document is correct, but no warranty can be given in this respect and the company cannot be hold liable as a result of any inaccuracy. The client and/or user has the obligation to make sure that the product is suitable for its individual case of application. Free translation: the original documents being in German, the English translation may contain some errors. Products and/or product specifications are subject to change without prior notice.