

EPDM diet

Ethylene-propylene-diene-rubber

Standard colour: white

- Food-compliant EPDM; approval acc. FDA, recommended for approval acc. EU1935/2004
- EPDM peroxide cured, resistant against brake fluids on Glycol-base
- Resistant to HFC, cold water, hot water and steam, diluted acids and bases
- Applicable for Static seals, Rod and Piston Seals, Wiper seals and Rotary seals

Properties	Value	Unit	DIN Standard
Hardness	87 ± 5	Shore A	DIN 53505
Density	1,162	g/cm ³	DIN EN ISO 1183-1
Compression set 23°C/72h	28,9	%	DIN ISO 815-1
Compression set 70°C/24h	31,6	%	DIN ISO 815-1
Compression set 100°C/24h	27,8	%	DIN ISO 815-1
Elongation at break	246	%	DIN 53504
Tensile strength	8,4	MPa	DIN 53504
100% modulus	4,7	MPa	DIN 53504
Rebound resilience	46	%	DIN 53512
Abrasion	108	mm ³	DIN 53516
Tear strength	3,6	N/mm	DIN 53515
min. service temperature short	- 40	°C	
max. service temperature constant	+135	°C	
max. temperature hot air & steam	+130	°C	
max. temperature hot air & steam short	+170	°C	

Confirmation according FDA

Hereby we, M. Wilhelmsen A/S, confirm, that all single components used for our compound named «EPDM diet» are listed on Code of Federal Regulation of U.S. Food and Drug Administration (FDA), Rockville MD. They are mentioned under following subchapters: **21CFR 177.2600**

Confirmation according EU1935/2004

The confirmation according FDA mentioned above provides an approval according EU1935/2004. Due to unavoidable technical factors or due to the form of delivery of the elastomeric pre-materials traces of non-specified impurities could be included. A compulsory test should be applied to the final product.

Allowed for contact with foods. Not permitted for medical articles (implants).

We explicitly point out that the user himself has to undertake tests, which will reassure the adequacy of the material mentioned above for the use in pharmaceutical and medical applications.