

05-70-0111

EPDM – Ethylene-propylene-rubber

Description

- Special peroxide cured compound. Developed primarily for applications in drinking water with all the necessary authorizations

Property

- EPDM peroxide cured
- Excellent ozone, aging and weather resistance
- Chemical resistance above average
- Hot water up to +130 °C

Typical applications

- Drinking water and beverage industry
- Suitable for hot chlorinated water
- Food industry applications

Further information

- In case lubrication is required, special lubricants (for instance silicone grease) have to be used. Do not use mineral oils or greases
- Please test the suitability of the material by means of the list of chemical resistances

Conformity

- UBA-elastomer guide line
- FDA-compliance 21 CFR § 177.2600
- EN-approval 681-1
- NSF-approval standard 051 / 061
- WRC/WRAS-approval BS 6920
- DVGW process sheet W270
- ASC-compliance AFNOR
- ACS-compliance AFNOR
- USP Class VI
- 3-A Sanitary Class II
- EG 1935/2004
- ADI-free
- REACH-compliance
- RoHS-compliance
- Free of phthalate-based plasticizers



Technical specifications

			[Value]
Color			black
Hardness	ASTM D 2240	[Shore A]	70 ±5
Tensile strength	ASTM D 412 C	[MPa]	14
Elongation at tear	ASTM D 412 C	[%]	160
Specific gravity	ASTM D 1817	[g/cm³]	1.13
Tear strength	ASTM D 624 B	[N/mm]	32
Compression set	ISO 815 B		
During 22h and +150 °C	25% compression	[%]	15
Temperature		[°C]	-45 - +150
temperature min. flexibility TR 10	ASTM D 1329	[°C]	-46

Note: The information displayed is correct, complete and up to date to the best of our knowledge and belief. Kubo Tech AG cannot be held liable for the accuracy or completeness of the contents. No warranty or assurance is given with respect to product features or capabilities. No legal rights are derived from the contents of this data sheet.