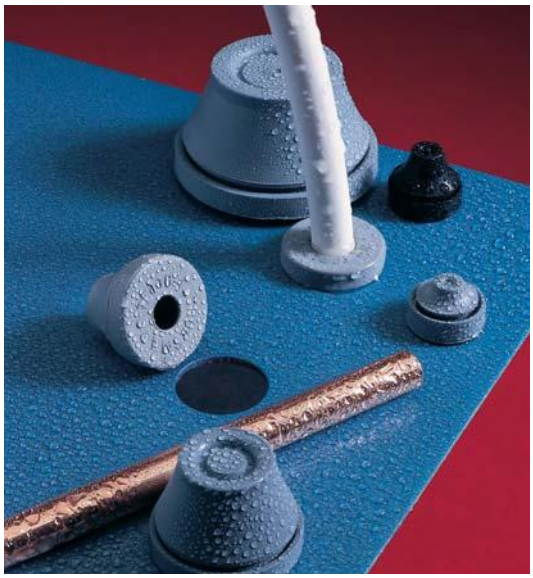
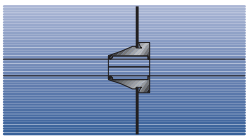
Cable grommet

TET





Description

Grommets available in two different materials, EPDM and CR.

Applications

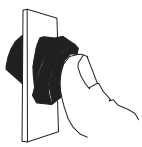
Sealing for cables, conduits and pipes in switches, devices, machines, etc. Suitable for untapped holes of material from 0.5 to 4 mm thickness. For completely dust and watertight cable and pipe inlets.

Benefits

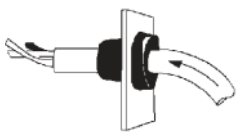
- Fast installation – seals without tightening
- Permits vibration in cables and pipes without detracting from the seal
- The sealing diaphragm is punctured only when the cable is drawn through – acts as a blind plug and is ready for installation
- Approved for installation in ships
- Each size has a very wide sealing range
- High degree of protection – IP67

Technical data

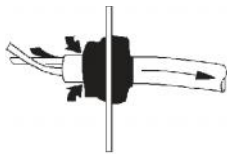
Material	TET: EPDM (ethylene-propylene) grey TET C: CR (chloroprene) black
Material properties	See table
Approvals	Approved by Lloyds Register of Shipping and Det Norske Veritas for marine and offshore use and the Swedish, Norwegian, Danish and Finnish national approval boards for watertight penetration
Temperature range	See table
Degree of protection	IP67 in accordance with IEC
Packaging	Plastic bag



Press the grommet into the hole.



Puncture the diaphragm using a cross-head screw-driver or the wires from which the outer sheath has been removed. Pass the cable or pipe through the hole in the seal.



Pull the cable/pipe back slightly to seal the entry. Fitting is complete.

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Range

Type	Dimensions Ø/B mm	Material thickness mm	Hole[1] Ø mm	Qty/Pack	Art. No.
EPDM with Pr hole dimensions, grey					
TET 3-5	20/13	0.5–3.0	12.5[2]	50	3258 206
TET 5-7	21/18	1–4	16	50	3265 022
TET 7-10	24/20	1–4	19	50	3260 007
TET 10-14	28/22	1–4	23	50	3261 005
TET 14-20	35/25	1–4	29	50	3262 003
TET 20-26	46/30	1–4	38	25	3263 027
TET 26-35	58/35	1–4	48	25	3264 025
EPDM with metric hole dimensions, grey					
TET M7-10	25/20	1–4	M20	50	3256 257
TET M10-14	29/22	1–4	M25	50	3256 267
TET M14-20	37.5/25	1–4	M32	50	3256 277
TET M20-26	48/30	1–4	M40	25	3256 297
TET M26-35	60/35	1–4	M50	25	3256 287
CR with Pr hole dimensions, black					
TET 3-5C	20/13	0.5–3.0	12.5[2]	50	3258 244
TET 5-7C	21/18	1–4	16	50	3265 048
TET 7-10C	24/20	1–4	19	50	3260 049
TET 10-14C	28/22	1–4	23	50	3261 047
TET 14-20C	35/25	1–4	29	50	3262 045
TET 20-26C	46/30	1–4	38	25	3263 043
TET 26-35C	58/35	1–4	48	25	3264 041
CR with metric hole dimensions, black					
TET M7-10C	25/20	1–4	M20	50	3256 255
TET M10-14C	29/22	1–4	M25	50	3256 265
TET M14-20C	37.5/25	1–4	M32	50	3256 275
TET M20-26C	48/30	1–4	M40	25	3256 295
TET M26-35C	60/35	1–4	M50	25	3256 285

[1] Tolerance if material thickness is more than 2 mm = +1, –0 mm
Tolerance if material thickness is less than 2 mm = ±1 mm

[2] Tolerance ±0.5 mm

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Material properties

	TET	TET-C
Material	EPDM Ethylene/propylene rubber	CR Chloroprene rubber
Colour	Grey	Black
Halogen content	No	Yes
Density	1.35 g/cm^3	1.38 g/cm^3
Weather resistance	Weather and temperature resistant. Can be used both indoors and outdoors.	Weather and temperature resistant. Can be used both indoors and outdoors.
Tempereture resistance	For continuous use between –40 °C and +100 °C (cf. natural rubber +70 °C). Slightly higher temperature for short periods (+130 °C for about one hour).	For continuous use between –25 °C and +95 °C. Slightly higher temperature for short periods.
Thermal aging	After 72 hours at +100 °C. Change in properties: Hardness +5° SH (+11 %) Breaking point –18 % Elongation at break –26 %	After 72 hours at +100 °C. Change in properties: Hardness +6° SH (+10 %) Breaking point –8 % Elongation at break –16 % After 72 hours at +125 °C. Change in properties: Hardness +13° SH (+13 %) Breaking point –12 % Elongation at break –35 %
Fire properties	Non self-extinguishing Combustion rate 2 cm/min approx.	Self-extinguishing. Tested to IEC standard. Approved for installation in ships in accordance with IEC Publ. No. 92-1 (1964). Electrical installations in ships, Part 1 General requirements.

Chemical resistance at –20 °C	*Normally resistant to:*
	• Detergents
	• Strongly oxidizing chemicals such as:
	  • Ammonia
	  • Dilute phosphoric acid
	  • Dilute chromic acid
	  • Dilute nitric acid
	  • Dilute hydrochloric acid
	  • Dilute sulphuric acid
	• Others, e.g.:
	  • Developer
	  • Glycol
	  • Cooling fluid (emulsion)
	Slightly affected by:
	• Concentrated acids at room temperature
		Normally resistant to:
		• Aliphatic hydrocarbons
		• Alkalis
		• Alcohols
		• Dilute acids
		Slightly affected by:
		• Acetone
		• Ammonia
		• Freon
		• Glycol
		• Sodium hydroxide

Oil resistance	Not resistant to mineral oils, but withstands minor splashing such as that occurring in engine compartments of vehicles, etc.	Good resistance to mineral oils. The effect of other petroleum products, such as solvents, lubricating grease and wax, is insignificant. Should not be used in direct contact with petrol (gasoline).

Being based on laboratory tests, all information should be regarded for guidance only. Temperature, duration of exposure, concentrations, etc., severely affect the properties.