

TPE Elastomere (Special compound)

General information

Designation	- :	Thermoplastic elastomere
Abbreviation	- :	Special compound
Colour	- :	Light grey
Classification	EN 45545-2 :	R22 / R23 both HL3
Glow-wire test:	IEC 60695-2-11 :	960°C
Flammability	UL94 :	V0 (free of halogen)

Physical data

Density	DIN EN ISO 1183-1:2004 :	1.17	g/cm ³
Hardness	DIN 53505 ISO 868 :	80	Sh A

Mechanical data

Tensile strength	DIN 53504 ISO 37 :	5.7	N/mm ²
Resistance to tear propagation	DIN ISO 34-1 Methode B (b)	25	N/mm ²
Elongation at break	DIN 53504 ISO 37 :	400	%

Thermal data

Max. application temperature	EN 62444 :	+105	°C
Min. application temperature	EN 62444 :	-50	°C

Chemical properties

High resistance against diluted inorganic saline solutions, against diluted acids and alkaline solutions, hotwater as well as seawater. Non resistant to motor fuels, solvents, concentrated acids and alkaline solutions. The resistance depends on the temperature, the exposure time, the concentration of the medium as well as of the kind of exposure (complete or partial wetting of exposure area²⁾)

2) Exposure area (wetting surface) = surface of the sealing insert that is exposed to the ambient conditions when the cable gland is mounted (annular gap between cable sheath and compression nut).

AGRO AG

Hunzenschwil, October 22. 2024

This table is arranged to our best knowledge and is to advise you without obligation. All values are approximate values and are based on tests done by our suppliers. Modifications are subject to change.

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