

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001

INDUSTRIES AND APPLICATIONS



ARA - TEX ROH

Typical uses

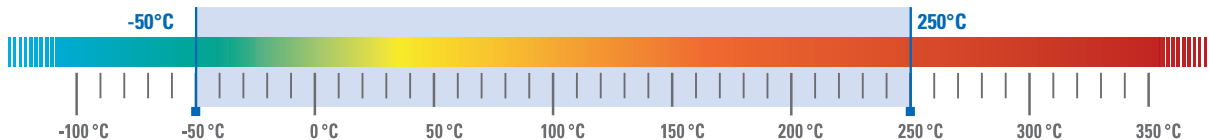
- Automotive industry
- E-mobility / hybrid
- Cable manufacture
- Line protection

Key properties

- Long-term heat resistance of -50°C to +250°C
- Short-term heat resistance up to +275°C
- Very good resistance to fuels and lubricants, water, salt spray, cleaning agents as well as acids and alkalis for temporary exposure
- Good cut resistance and impact resistance
- Very high tensile strength
- Good abrasion behavior under mechanical stress
- Flame resistant, self-extinguishing
- High extensibility
- Nominal diameter 5.0 mm to 30.0 mm



Application temperature



Product description

ARA-TEX ROH protective sleeve was developed from the point of mechanical and physiological properties and as an alternative to a protection sleeves, which just consists of pure glass fibre material. This sleeve is suitable for bundling cables as well as mechanical and thermal protection for insulating sleeves. ARA-TEX ROH protective sleeve consists of a thermally and mechanically highly durable aramid fibre combination. The sleeve can be used in the automotive industry under extreme thermal (up to +275°C) and mechanical loads. ARA-TEX ROH protective sleeve is characterized by excellent resistance to fuels and lubricants, as well as acids and alkalis.

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Application properties

Property	Standard	Test requirements	Result
Flame resistance	LV 312-3 FMVSS 302	Flame height 38 mm Flame exposure 15s	Self-extinguishing

Ageing

Property	Standard	Test requirements	Result
Short-term ageing 240h / 275°C	Based on LV 312-3	Winding test	Requirements achieved

Mechanical / physical properties

Property	Standard	Test requirements	Result
Abrasion resistance	LV 312-3	Test at room temperature	Classification C

Compatibilities

Medium	Standard	Test requirements	Result
Ad Blue	Based on DIN EN 60684 LV 312-3	Storage time 24h at room temperature Chemical externally spread	Requirements achieved
Biodiesel	Based on DIN EN 60684 LV 312-3	Storage time 24h at room temperature Chemical externally spread	Requirements achieved
Break fluid	Based on DIN EN 60684 LV 312-3	Storage time 24h at room temperature Chemical externally spread	Requirements achieved
Multigrade engine oil	Based on DIN EN 60684 LV 312-3	Storage time 24h at room temperature Chemical externally spread	Requirements achieved
Grease	Based on DIN EN 60684 LV 312-3	Storage time 24h at room temperature Chemical externally spread	Requirements achieved
Water-Glycol-mixture	Based on DIN EN 60684 LV 312-3	Storage time 24h at room temperature Chemical externally spread	Requirements achieved

Ecology, Environment & Safety

Ingredients compliant with VDA requirements

IMDS listed

RoHS, GADSL compliant

Non-asbestos, textile fibres non-carcinogenic, non-hazardous to the environment, non-hazardous to water

When using and disposing of the ARA-TEX ROH protective sleeve there are no environmentally relevant by-products expected

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Certified management system by:

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TECHNICAL DATASHEET

INDUSTRIES AND APPLICATIONS



ARA - TEX ROH

BIW-Standard dimensions

ARA - TEX ROH (Code: ARB)

On demand individual dimensions available at any time

ID [mm]	Tol. ID [mm]	Wd [mm]	Tol. Wd [mm]	Ring [m]
5.0	±0.5	1.0 - 1.5	±0.40	200
6.0	±0.5	1.0 - 1.5	±0.40	200
7.0	±0.5	1.0 - 1.5	±0.40	200
8.0	±0.5	1.0 - 1.5	±0.40	200
9.0	±0.5	1.0 - 1.5	±0.40	200
10.0	±1.0	1.0 - 1.5	±0.40	200
11.0	±1.0	1.0 - 1.5	±0.40	100
12.0	±1.0	1.0 - 1.5	±0.40	100
13.0	±1.0	1.0 - 1.5	±0.40	100
14.0	±1.0	1.0 - 1.5	±0.40	100
15.0	±1.0	1.0 - 1.5	±0.40	100
16.0	±1.5	1.0 - 1.5	±0.40	100
17.0	±1.5	1.0 - 1.5	±0.40	100
18.0	±1.5	1.0 - 1.5	±0.40	100
19.0	±1.5	1.0 - 1.5	±0.40	100
20.0	±1.5	1.0 - 1.5	±0.40	100
21.0	±1.5	1.0 - 1.5	±0.40	50
22.0	±1.5	1.0 - 1.5	±0.40	50
23.0	±1.5	1.0 - 1.5	±0.40	50
24.0	±1.5	1.0 - 1.5	±0.40	50
25.0	±2.0	1.0 - 1.5	±0.40	50
26.0	±2.0	1.0 - 1.5	±0.40	50
27.0	±2.0	1.0 - 1.5	±0.40	50
28.0	±2.0	1.0 - 1.5	±0.40	50
29.0	±2.0	1.0 - 1.5	±0.40	50
30.0	±2.0	1.0 - 1.5	±0.40	50