

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001
- IIP (Investors in People)

## INDUSTRIES AND APPLICATIONS



## ARA - TEXFLEX DUO

### Typical uses

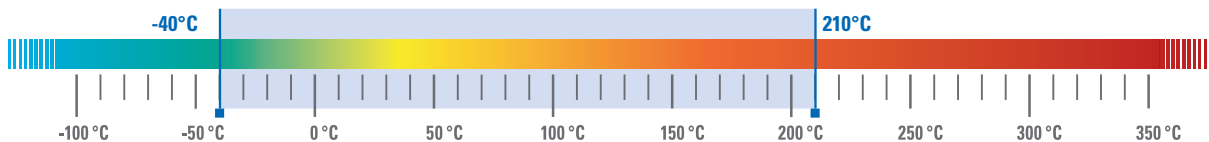
- Automotive industry
- Crash protection
- E-mobility / hybrid
- Cable manufacture
- Line protection

### Key properties

- Long-term heat resistance of -40°C to +210°C
- Short-term heat resistance up to +235°C
- Very good protection against marten bite
- Good abrasion behavior under mechanical stress
- Very good resistance to fuels and lubricants, water, salt spray, cleaning agents as well as acids and alkalis for temporary exposure
- High cut resistance
- High bending and tensile strength
- Very high impact protection
- Double-walled, thermally insulated
- Physiologically harmless
- Colour: orange, black
- Nominal diameter 10.0 mm to 22.0 mm



### Application temperature



### Product description

ARA - TEXFLEX DUO is a double-walled protective sleeve. ARA - TEXFLEX DUO is suitable for bundling cables or mechanical and thermal protection. The basic sleeve gets covered by a special process with a thermally and mechanically highly resistant aramid fibre. The fixation between inner and outer sleeve is a high temperature resistant silicone. ARA - TEXFLEX DUO shows excellent resistance to fuels and lubricants. Due to its good stability and buckling resistance it is most convenient for long cable sets. Its combination of aramid with its outstanding mechanical properties and textile glass with very good thermal properties results in an ideal combination for a protection sleeve, also considering the cost aspect. On extreme situations a thermal load capacity is possible up to 235°C. It is possible that the colour (orange) will change at temperatures above 210°C.

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## Certified management system by:

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TECHNICAL DATASHEET

## INDUSTRIES AND APPLICATIONS



## ARA - TEXFLEX DUO

### Application properties

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

### Ageing

Property	Standard	Test requirements	Result
Short-term ageing 240h / 235°C	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

### Ecology, Environment & Safety

Ingredients compliant with VDA requirements

IMDS listed

RoHS, GADSL compliant

Non-asbestos, textile glass fibres non-carcinogenic, non hazardous to the environment, not hazardous to water

In use and disposal of the ARA - TEXFLEX DUO protective sleeve there are no environmentally relevant co-products expected

### BIW-Standard dimensions

#### ARA - TEXFLEX DUO (Code: ATF)

On demand individual colours and dimensions available at any time

ID [mm]	Tol. ID [mm]	Wd [mm]	Tol. Wd [mm]	Ring [m]
10.0	±0.50	1.60	±0.30	50
11.0	±0.50	1.60	±0.30	50
12.0	±0.50	1.90	±0.30	50
13.0	±0.50	1.90	±0.30	50
14.0	±0.50	1.90	±0.30	25
15.0	±0.50	1.90	±0.30	25
16.0	±0.50	1.90	±0.30	25
17.0	±0.50	1.90	±0.30	25
18.0	±0.50	1.90	±0.30	25
19.0	±0.50	1.90	±0.30	25
20.0	±0.50	1.90	±0.30	25
21.0	±0.50	1.90	±0.30	25

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**ARA - TEXFLEX DUO****BIW-Standard dimensions****ARA - TEXFLEX DUO (Code: ATF)**

On demand individual colours and dimensions available at any time

ID [mm]	Tol. ID [mm]	Wd [mm]	Tol. Wd [mm]	Ring [m]
22.0	±0.50	2.20	±0.50	25