

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

INDUSTRIES AND APPLICATIONS



ACRYTEX

Typical uses

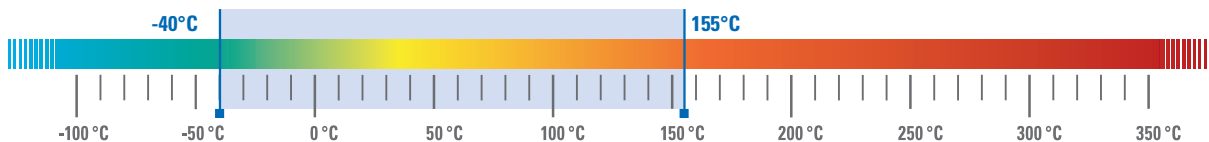
- Automotive industry
- E-mobility / hybrid
- Cable manufacture
- Line protection

Key properties

- Long-term heat resistance of -40°C to +155°C
- Short-term heat resistance up to 180°C / textile glass fibre up to 450°C
- Very good resistance to fuels and lubricants, as well as good resistance to salt spray water, water and cleaning agents
- Good mechanical properties
- Good cut resistance and flexibility
- Good buckling and bending resistance
- Different colours possible
- Nominal diameter 0.50 mm to 30.0 mm



Application temperature



Product description

The ACRYTEX - protective sleeve consists of thermally highly resistant textile glass fibre with an impregnation of acrylic resin polymer. This combination of these materials allows the protective sleeve to be used in the automotive applications with high thermal demand.

The ACRYTEX is characterized by good resistance to fuels and lubricants. The thermal capacity also resists also extreme situations with >155°C. In a partial thermal overstress a fusion of the acrylic impregnation happens. This protective function remains the excellent temperature properties of glass fibre sleeves also at 450°C. Temperatures >155°C can lead to unpleasant odour developing through the fusion. The ACRYTEX protective sleeve is suited especially for long cable looms because of the good buckling resistance. It is designed as protective sleeve without a defined dielectric strength.

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Certified management system by:

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TECHNICAL DATASHEET

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ACRYTEX

Application properties

Property	Standard	Test requirements	Result
Flame resistance	JASO D608-92 FMVSS 302	Flame height 38 mm Flame exposure 15 s	Classification A - non-flammable

Ageing

Property	Standard	Test requirements	Result
Short-term ageing 240h / 160°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	Abrasion classification A

Compatibilities

Medium	Standard	Test requirements	Result
Ad Blue	LV 312-3	Storage time 240h, 150°C winding test	Requirements achieved
Biodiesel	LV 312-3	Storage time 240h, 150°C winding test	Requirements achieved
Break fluid	LV 312-3	Storage time 240h, 150°C winding test	Requirements achieved
Diesel	LV 312-3	Storage time 240h, 150°C winding test	Requirements achieved
Multigrade engine oil	LV 312-3	Storage time 240h, 150°C winding test	Requirements achieved
Water-Glycol-mixture	LV 312-3	Storage time 240h, 150°C winding test	Requirements achieved

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.

By using and disposing of the protective sleeve ACRYTEX no environmental by-products are expected.

BIW-Standard dimensions

ACRYTEX (Code: GSA)

On demand individual colours and dimensions available at any time

ID [mm]	Tol. ID [mm]	Wd [mm]	Tol. Wd [mm]	Ring [m]
0.5	+0.30	0.30	±0.10	200
1.0	±0.20	0.30	±0.15	200
2.0	±0.30	0.30	±0.15	100
3.0	±0.30	0.30	±0.15	100

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**ACRYTEX****BIW-Standard dimensions****ACRYTEX (Code: GSA)**

On demand individual colours and dimensions available at any time

ID [mm]	Tol. ID [mm]	Wd [mm]	Tol. Wd [mm]	Ring [m]
4.0	±0.40	0.40	±0.15	100
5.0	±0.40	0.40	±0.15	100
14.0	±0.50	0.70	±0.30	50
16.0	±0.60	0.80	±0.40	50
18.0	±0.60	0.80	±0.40	50
20.0	±0.70	0.80	±0.40	50
22.0	±0.70	0.80	±0.40	50
24.0	±0.70	1.00	±0.40	25
26.0	±0.70	1.00	±0.40	25
28.0	±0.70	1.00	±0.40	25
30.0	±0.70	1.20	±0.40	25