

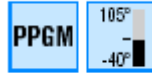
Corrugated Tubes

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Errors and omissions excepted.



Corrugated Tube
PPGM
Normal Profile
black



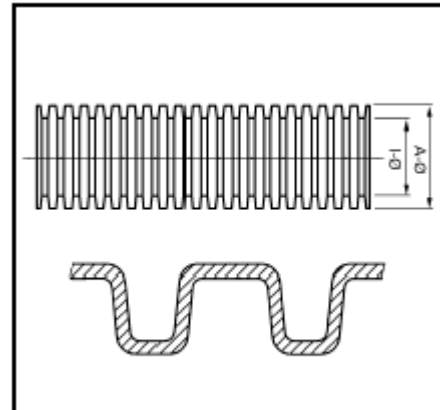
Material:
Polypropylene GM

Maximum Temperature:
240 h/125°C

- Characteristics:**
- Water-repellent
 - No humidity absorbing
 - Great shape permanence to heat
 - Enormous cold impact strength
 - High strength
 - Excellent behaviour under reversed bending stresses
 - Excellent chemical resistance

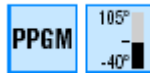
- Features:**
- Burning behaviour acc. to FMVSS 302, Type B
 - UV resistance acc. to DIN EN ISO 8580

- Application fields:**
- Automotive chassis and interior





Corrugated Tube
PPGM
AHW (Automotive High Wave)
black



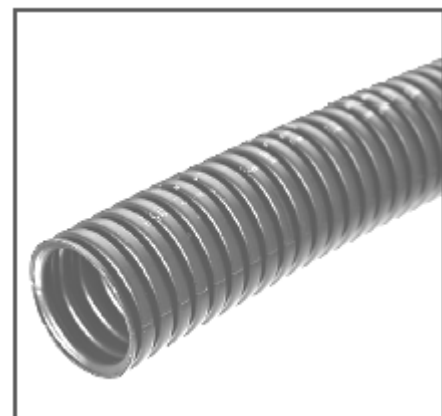
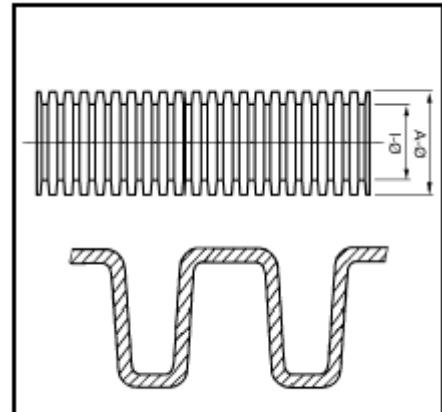
Material:
Polypropylene GM

Maximum Temperature:
240 h/125°C

- Characteristics:**
- Water-repellent
 - No humidity absorbing
 - Great shape permanence to heat
 - Enormous cold impact strength
 - High strength
 - Excellent behaviour under reversed bending stresses
 - Excellent chemical resistance

- Features:**
- Burning behaviour acc. to FMVSS 302, Type B
 - UV resistance acc. to DIN EN ISO 8580

- Application fields:**
- Automotive chassis and interior



Corrugated Tube
PP
Normal Profile Section
black



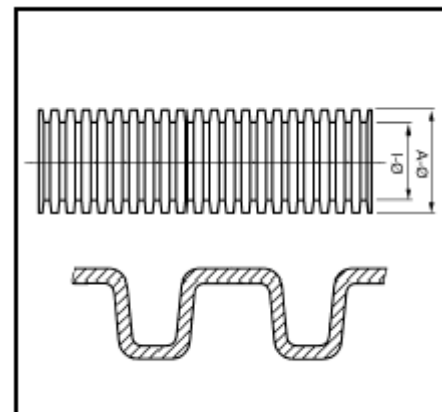
Material:
Polypropylene

Maximum Temperature:
350 h/135°C

- Characteristics:**
- Water-repellent
 - No humidity absorbing
 - Great shape permanence to heat
 - Enormous cold impact strength
 - High strength
 - Excellent behaviour under reversed bending stresses
 - Excellent chemical resistance

- Features:**
- Burning behaviour acc. to FMVSS 302, < 100 mm/min.
 - UV resistance acc. to DIN EN ISO 8580

- Application fields:**
- Automotive chassis and interior





Corrugated Tube PP
AHW (Automotive High Wave)
black

Material:
Polypropylene

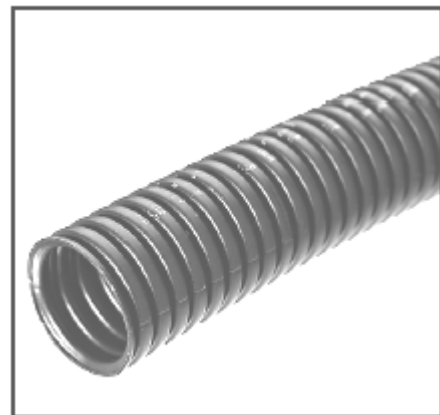
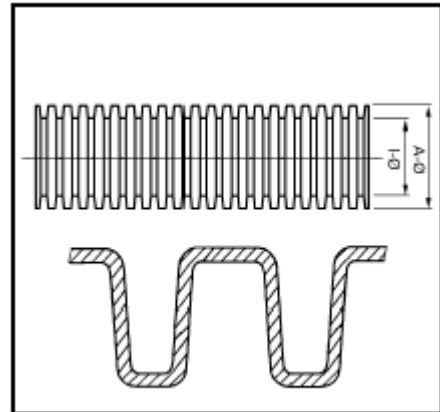


Maximum Temperature:
350 h/135°C

- Characteristics:**
- Water-repellent
 - No humidity absorbing
 - Great shape permanence to heat
 - Enormous cold impact strength
 - High Strength
 - Excellent behaviour under reversed bending stresses
 - Excellent chemical resistance

- Features:**
- Burning behaviour acc. to FMVSS 302, < 100 mm/min.
 - UV resistance acc. to DIN EN ISO 8580

- Application fields:**
- Automotive chassis and interior
 - Especially for small bending radius slit does not open

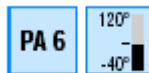


Corrugated Tube PA6
Normal Profile
black

Material:
Polyamide 6



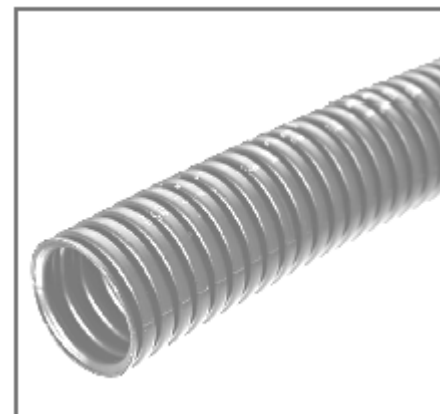
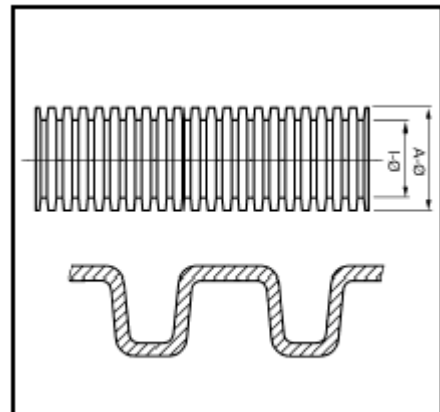
Maximum Temperature:
some hours 150°C



- Characteristics:**
- Flame retardant
 - Free of halogene
 - No significant impairment due to uv-rays

- Features:**
- Burning behaviour acc. to FMVSS 302, < 100 mm/min.
 - HB accord. to UL 94
 - Permanent vibration as per DIN 53442
 - UV resistance acc. to DIN EN ISO 8580

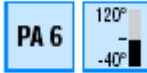
- Application fields:**
- Commercial vehicles, Construction machinery, machines and aggregates
 - For high mechanical stresses





Corrugated tube PA6

„light“
black



Material:

Polyamide 6

Characteristic feature:

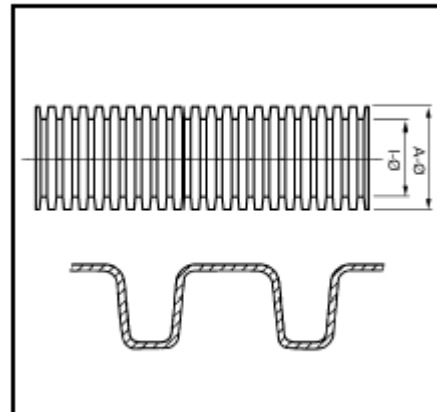
Parallel corrugated

Features:

- Flame retardant
- Free of halogene
- Small bending radius
- Highly flexible
- Permanent vibrations as per DIN 53442
- UV resistance acc. to DIN EN ISO 8580

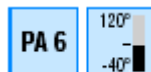
Application fields:

- Commercial vehicles, Construction machinery, machines and aggregates



Corrugated tube PA6

„heavy“
black



Material:

Polyamide 6

Upper temperature range:

240 h/150°C

Characteristic feature:

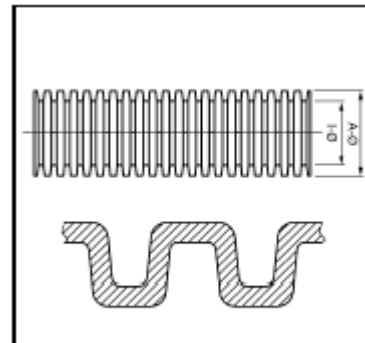
Parallel corrugated

Features:

- Flame retardant, combustion speed < 100 mm/min.
- UV resistance acc. to DIN EN ISO 8580
- Free of halogene
- Thicker tube material
- Strong durability and impact resistance

Application fields:

- Commercial vehicles, Construction machinery, machines and aggregates
- For high mechanical stresses

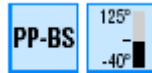




Corrugated Tube

PP-BS

Normal Profile
with fire protection
black



Material:

Polypropylene

Maximum Temperature:

500 h/135°C; 240 h/150°C

Characteristics:

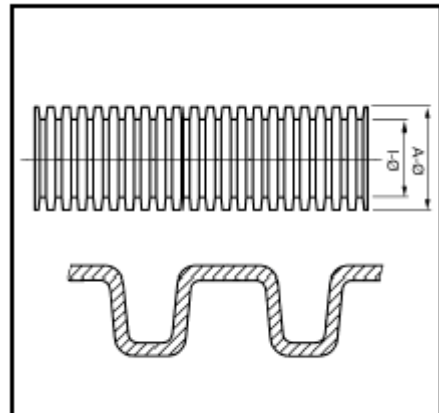
- High strength
- Excellent behaviour under reversed bending stresses
- Very high cold impact strength

Features:

- Burning behaviour according to FMVSS 302, self extinguishing Type B (on corrugated tube)
- UV resistance acc. to DIN EN ISO 8580

Application fields:

- Car interior, body section, chassis





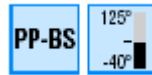
Corrugated Tube

PP-BS

**AHW (Automotive High Wave),
with fire protection
black**

Material:

Polypropylene



Maximum Temperature:

500 h/135°C; 240 h/150°C

Characteristics:

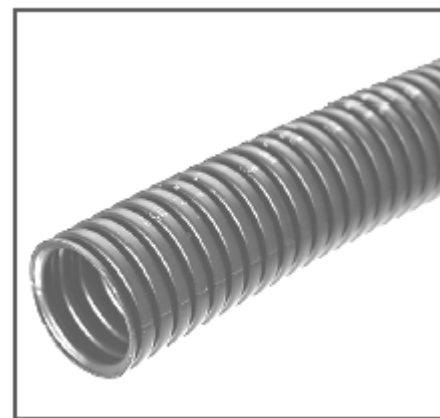
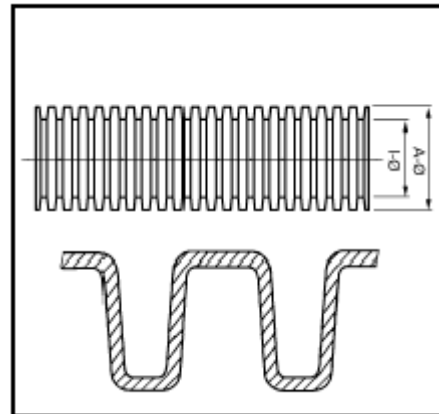
- High strength
- Excellent behaviour under reversed bending stresses
- Very high cold impact strength

Features:

- Burning behaviour according to FMVSS 302, self extinguishing Type B (on corrugated tube)
- UV resistance acc. to DIN EN ISO 8580

Application fields:

- Car interior, body section, chassis
- Especially for small bending radius slit does not open



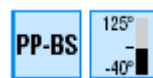
Corrugated Tube

PP-BS

**JIS (Japanese Industrial
Standard), with fire protection
black**

Material:

Polypropylene



Maximum Temperature:

500 h/135°C; 240 h/150°C

Characteristics:

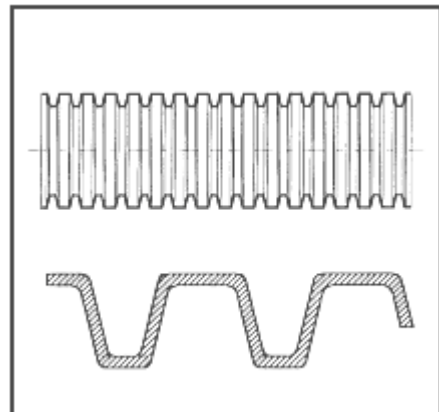
- High strength
- Excellent behaviour under reversed bending stresses
- Very high cold impact strength

Features:

- Burning behaviour according to FMVSS 302, self extinguishing Type B (on corrugated tube)
- UV resistance acc. to DIN EN ISO 8580

Application fields:

- Car interior, body section, chassis



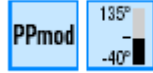


Corrugated Tube PPmod

Normal Profile, black

Material:

modified Polypropylene



Maximum Temperature:

500 h/150°C

Characteristics:

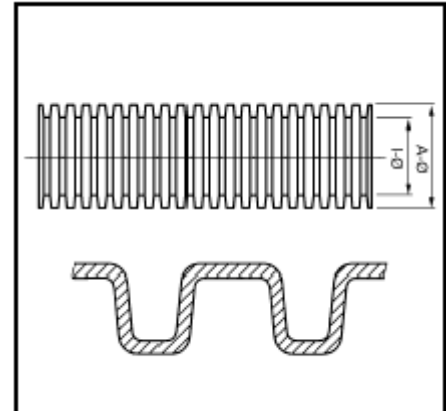
- Longitudinal slit stays closed after installation
- Filling ratio - up to 100 % possible
- Reduction in weight due to using the smallest nominal width
- No wrapping tape necessary for the looms of the wiring
- Wrapping the wire inside the conduit is not necessary at branching elements or cable ends

Features:

- Burning behaviour: accord. to FMVSS 302, self extinguishing Type B
- Burning rate 0 according DIN 75200
- UV resistance acc. to DIN EN ISO 8580

Application fields:

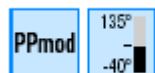
- Cars, Commercial vehicles, body section, chassis



Corrugated Tube PPmod AHW (Automotive High Wave), black

Material:

modified Polypropylene



Maximum Temperature:

500 h/150°C

Characteristics:

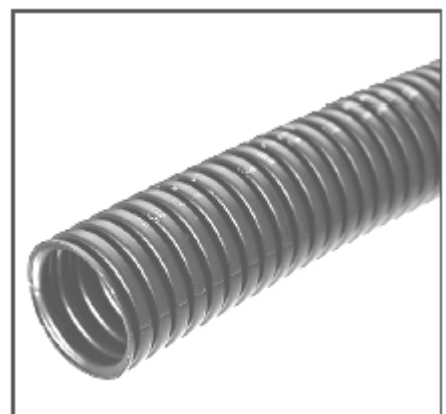
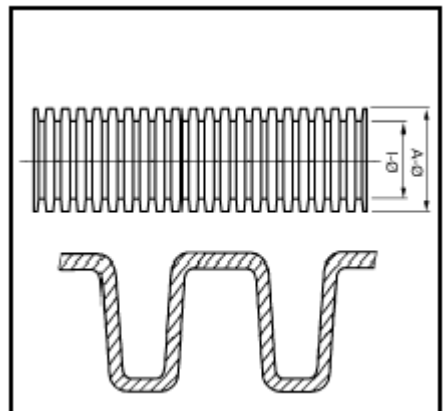
- Longitudinal slit stays closed after installation
- Filling ratio - up to 100 % possible
- Reduction in weight due to using the smallest nominal width
- Very low bending radius
- No wrapping tape necessary for the looms of the wiring
- Wrapping the wire inside the conduit is not necessary at branching elements or cable ends

Features:

- Burning behaviour: accord. to FMVSS 302, selfextinguishing Type B
- Burning rate 0 according DIN 75200
- UV resistance acc. to DIN EN ISO 8580

Application fields:

- Cars, Commercial vehicles, body section, chassis
- Especially for small bending radius-slit does not open





Corrugated Tube PPmod Poly Truck Profile, black



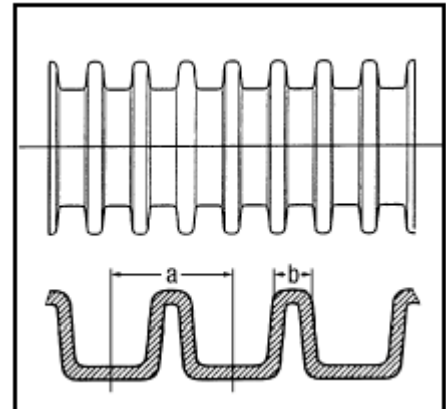
Material:
modified Polypropylene

Maximum Temperature:
500 h/150°C

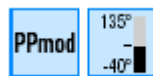
- Characteristics:**
- Longitudinal slit stays closed after installation
 - Filling ratio - up to 100 % possible
 - Reduction in weight due to using the smallest nominal width
 - Very low bending radius
 - No wrapping tape necessary for the looms of the wiring
 - Wrapping the wire inside the conduit is not necessary at branching elements or cable ends

- Features:**
- Flat inner wave
 - Burning behaviour according to FMVSS 302 selfextinguishing Type B
 - UV resistance acc. to DIN EN ISO 8580

- Application fields:**
- Cars and Commercial vehicles, chassis and body engine
 - For extremely high vibrations



Corrugated Tube PPmod Normal Profile, selfclosing, black



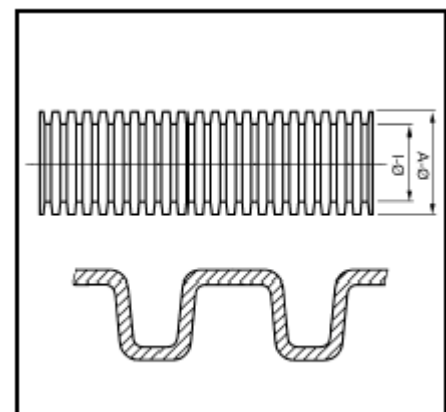
Material:
modified Polypropylene

Maximum Temperature:
500 h/150°C

- Characteristics:**
- Filling ratio - up to 100 % possible
 - Reduction in weight due to using the smallest nominal width
 - Very low bending radius
 - No wrapping tape necessary for the looms of the wiring
 - Wrapping the wire inside the conduit is not necessary at branching elements or cable ends

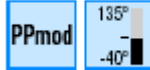
- Features:**
- Burning behaviour accd. to FMVSS 302, selfextinguishing Type B
 - Burning rate o acc. DIN 75200
 - UV resistance acc. to DIN EN ISO 8580

- Application fields:**
- Cars, Commercial vehicles, body section, chassis
 - For later installation of small nominal width





Corrugated Tube PPmod lockable/ oval lockable black



Material:
modified Polypropylene

Maximum Temperature:
500 h/150°C

Characteristics:

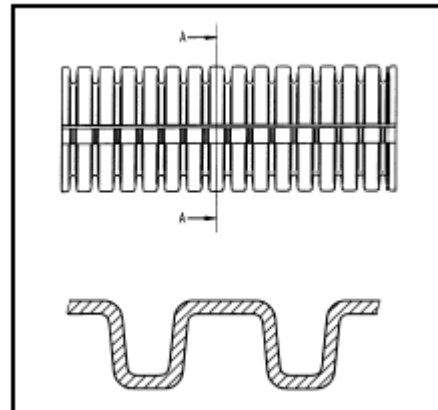
- Filling ratio - up to 100 % possible
- Reduction in weight due to using the smallest nominal width
- Very low bending radius
- No wrapping tape necessary for the looms of cables
- Wrapping the wire inside the conduit is not necessary at branching elements or cable ends

Features:

- Burning behaviour accd. to FMVSS 302, selfextinguishing Type B
- Burning rate o acc. DIN 75200
- Safe locking process only by using special systemised mounting tool
- UV resistance acc. to DIN EN ISO 8580

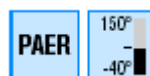
Application fields:

- Cars, Commercial vehicles, body section, chassis
- For later installation of bigger nominal widths



Corrugated Tube PAER Normal Profile, black

Material:
modified Polyamide



Maximum Temperature:
240 h/175°C

Characteristics:

- Flame retardant
- Free of halogene

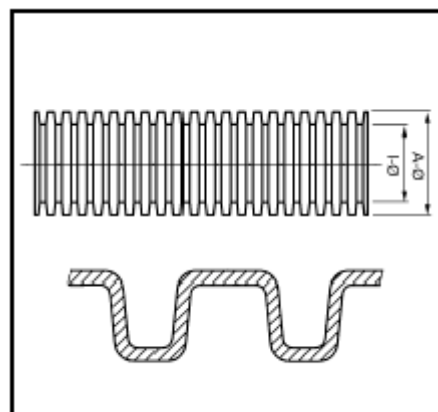
Features:

- Burning behaviour according to FMVSS 302, selfextinguishing Type B
- UL 94: HB
- UV resistance acc. to DIN EN ISO 8580

Application fields:

- Cars, Commercial vehicles, body section, chassis

Wellschlauch





Corrugated Tube

PAER

AHW (Automotive High Wave)

black

Material:

modified Polyamide



Maximum Temperature:

240 h/175°C

Characteristics:

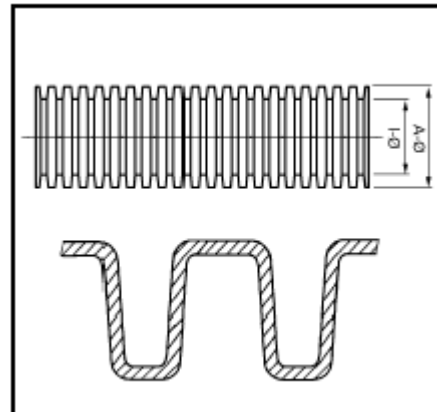
- Flame resistant
- Free of halogene

Features:

- Burning behaviour according to FMVSS 302, selfextinguishing Type B (on corrugated tube)
- UL 94: HB
- UV resistance acc. to DIN EN ISO 8580

Application fields:

- Cars, Commercial vehicles, body section, chassis
- Especially for small bending radius-slit does not open

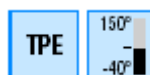


Corrugated Tube TPE

(Hytrell)

Normal Profile

black



Material:

Thermoplastic Elastomere

Maximum Temperature:

500 h/175°C

Characteristics:

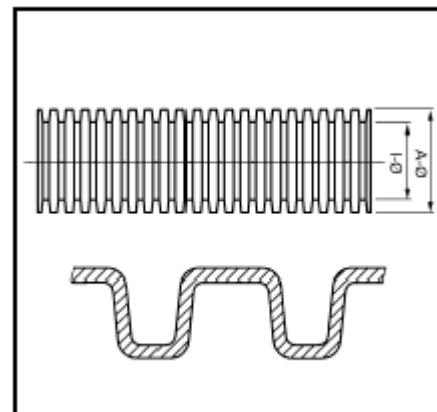
- Flame retardant
- Hydro resistant

Features:

- Burning behaviour according to FMVSS 302, selfextinguishing Type B

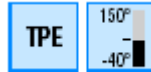
Application fields:

- Cars, Commercial vehicles, body section, chassis





**Corrugated Tube TPE
(Hytrell)
AHW (Automotive High Wave)
black**



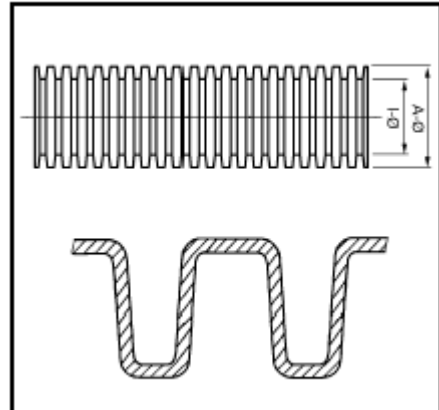
Material:
Thermoplastic Elastomere

Maximum Temperature:
500 h/175°C

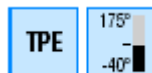
- Characteristics:**
- Flame retardant
 - Hydro resistant

- Features:**
- Burning behaviour according to FMVSS 302, selfextinguishing Type B

- Application fields:**
- Cars, Commercial vehicles, body section, chassis



**Corrugated Tube TPE
(Arnitel)
Normal Profile
black**

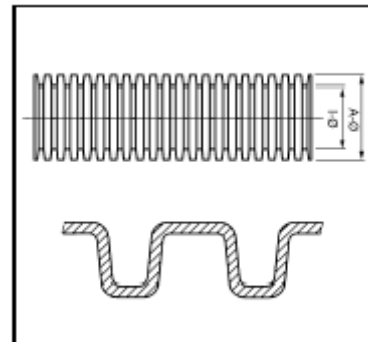


Material:
Thermoplastic elastomere on Polyester basis

Maximum Temperature:
187 h/190°C

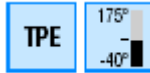
- Characteristics:**
- High temperature resistance
 - UV-Ray resistant
 - Highly flexible
 - High restoring capacity
 - Wear resistant
 - Tensile strength
 - Bending stabile
 - Impact strength
 - Free of halogene

- Application fields:**
- Cars, Commercial vehicles, body section, chassis





**Corrugated Tube TPE
(Arnitel), Fire Protection
AHW (Automotive High Wave)
black**



Material:

Thermoplastic elastomere on Polyester basis

Maximum Temperature:

187 h/190°C

Characteristics:

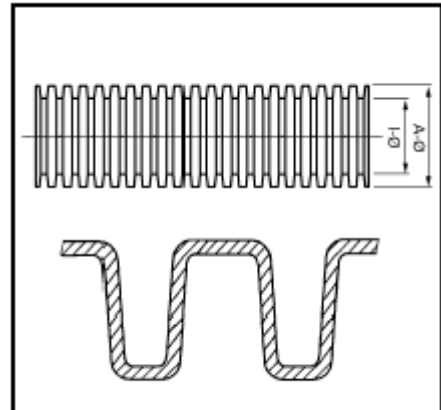
- High temperature resistance
- UV-Ray resistant
- Highly flexible
- High restoring capacity
- Wear resistant
- Tensile strength
- Bending stabile
- Impact strength
- Free of halogene

Features:

- Burning behaviour according to FMVSS 302, selfextinguishing Type B

Application fields:

- Cars, Commercial vehicles, body section, chassis
- Especially for small bending radius - slit does not open



**Corrugated Tube ETFE
TOP 200
Normal Profile, black**



Material:

Ethylene/Tetraflourethylencopolymere

Characteristics:

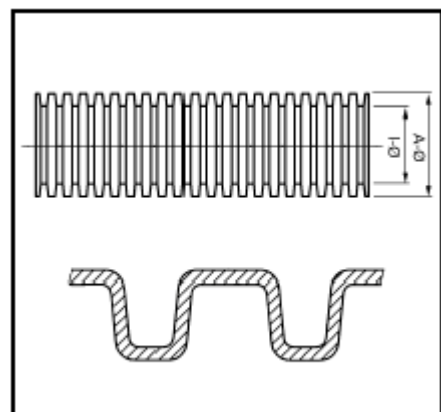
- High temperature resistance

Features:

- Burning behaviour acc. to FMVSS 302, selfextinguishing Type B

Applications fields:

- Cars, Commercial vehicles, body section, near the engine
- For extremely high temperature demands





**Corrugated Tube PFA
TOP 250
Normal Profile
black**

Material:
Perfluoralkoxy Copolymere

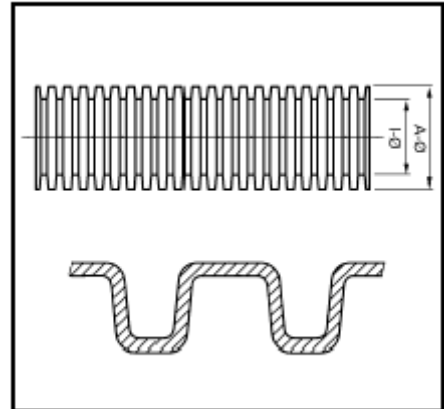


Maximum Temperature:
240 h/300°C

Characteristics:
• High temperature resistance

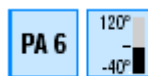
Features:
• Burning behaviour acc. to FMVSS 302,
self-extinguishing Type B

Applications fields:
• Cars, Commercial vehicles, body section, near the engine
• For extremely high temperature demands



**marten proofcorrugated
tube PA6
black**

Material:
Polyamide 6



Characteristics:
• Free of halogene

Features:
• Burning behaviour acc. to V-DIN 75200

