# AERATORFLEX/46N-AB

RAILWAY INDUSTRY

EN ISO 9001:2015 No. : Q-3353-24
EN ISO 45001:2018 No. : 20152240011742
EN ISO 14001:2015 No. : 20051240011741

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## APPLICATION

- Air suction hose used for ventilation systems or as flexible connection between filter and prefilter or between filter and air intake manifold of combustion engines.
- Also suitable for other applications requiring very flexible rubber hoses. It is especially used as flexible connection in ventilation systems on board of railway and tramway vehicles.

## CONSTRUCTION

**TUBE**
- CR rubber, black, corrugated.

**REINFORCEMENT**
- Plies of synthetic cord.
- Embedded steel helix wire.

**COVER**
- CR rubber, self-extinguishing, corrugated, black colour, resistant to ozone, weather and contact with fats and mineral oils.

## COVER STANDARDS

- UNI EN 45545-2:2015 (fire testing of materials and components for trains): HL2 for R22 and HL3 for R23.
- UNI CEI 11170-3/05 (Reaction to fire): complies with all risk levels up to LR4 included.
- ASTM C 542 and CEI 20-35 (Flame retardant).
- NF X 10-702 – 1 and 2 (Low opacity of fumes).
- NF X 70-100 – 1 and 2 (Low toxicity of gases).
- EN 11925-2/2005 (fire reaction with a single ignition source).

## TEMPERATURE RANGE

- From -30°C to +120°C.

## FITTING

- By means of clamps, standard collars or other systems needed by the equipment manufacturers.

## TECHNICAL SPECIFICATIONS

**SIZE TOLERANCES:** Inner diameter: ISO 1307 - Wall Thickness: DIN 7715 T4 S2 - Length: ISO 1307

| Inner Diameter mm | Outer diameter mm | Wall thickness mm | Working pressure BAR | Burst pressure BAR | Vacuum BAR | Min. bending radius mm | Approx. weight Kg/m | Max. length m |
|---|---|---|---|---|---|---|---|---|
| 38 | 46 | 4.0 | - | - | -0.5 | 20 | 0.52 | 12 |
| 50 | 58 | 4.0 | - | - | -0.5 | 25 | 0.69 | 12 |
| 57 | 65 | 4.0 | - | - | -0.5 | 30 | 0.84 | 12 |
| 63.5 | 72.5 | 4.5 | - | - | -0.4 | 30 | 1.05 | 12 |
| 70 | 79 | 4.5 | - | - | -0.4 | 35 | 1.15 | 12 |
| 80 | 89 | 4.5 | - | - | -0.4 | 40 | 1.31 | 12 |
| 90 | 100 | 5.0 | - | - | -0.4 | 45 | 1.46 | 12 |
| 102 | 112 | 5.0 | - | - | -0.3 | 50 | 1.73 | 12 |
| 110 | 120 | 5.0 | - | - | -0.3 | 55 | 1.87 | 12 |
| 127 | 139 | 6.0 | - | - | -0.3 | 65 | 2.26 | 12 |
| 140 | 152 | 6.0 | - | - | -0.3 | 70 | 2.70 | 12 |
| 152 | 164 | 6.0 | - | - | -0.3 | 75 | 3.04 | 12 |
| 180 | 192 | 6.0 | - | - | -0.3 | 90 | 3.96 | 12 |
| 203 | 215 | 6.0 | - | - | -0.3 | 100 | 4.35 | 12 |

Chemical resistance acc. to MTG Chemical Resistance Chart. Above technical data refer to application at room temperature (+20°C).
Other sizes and colours are available upon request. Please contact our Sales Department.

**Cod. IT-A00110**

**UPDATED:** 08/20
**Rev:** 004