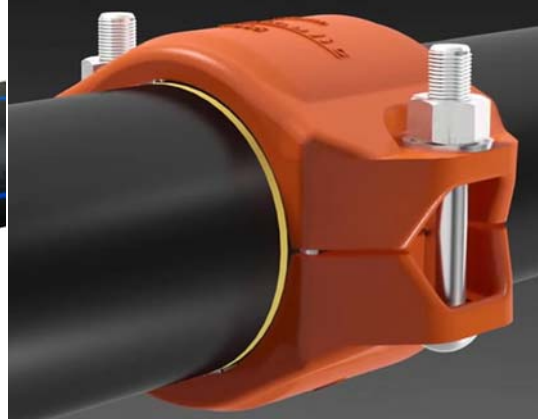
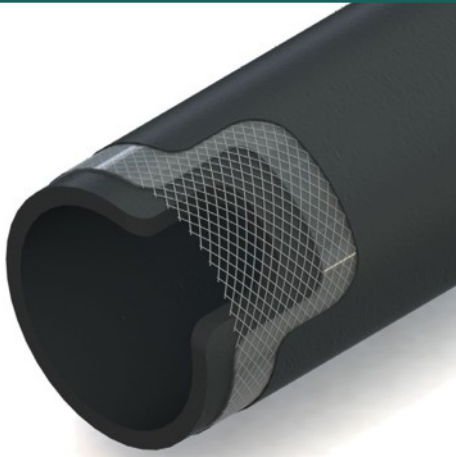


## ASFR HDPE PIPE (ANTI-STATIC & FIRE RETARD)

DS 632-2 E 0218



## ASFR HDPE PIPE

### Technical Data

#### Advanced anti-static and fire retardant multilayer HDPE pipe with plain ends for coupler connections

<b>Kind of Duct</b>	Multilayer reinforced pipe with smooth surface inside and outside in HDPE material grade suitable for applications in civil engineering requiring durable anti-static and fire retardant properties like for coal dust or methane explosion environments.
<b>Applications</b>	Mining, Mining shafts, Firefighting, transport of non-flammable liquids, water-based suspensions, solid suspensions (filling, hydraulic transport) processing, compressed air or inert gas, methane venting, air condition
<b>Types</b>	<ul style="list-style-type: none"> <li>ASFR 1 HDPE Pipe (advanced multilayer pipe with full layer anti-static resistance of <math>&lt;1,0 \times 10^6 \Omega/m</math> and external self-extinguishing halogen-free layer classified DIN 4102-1 B1, EN 13501-1 B s1 d0 and UL 94 – V0 (Low contribution to spread fire, low smoke production index level, none burning droplets/particles), inner layer V1. Full V0 layer on request.</li> <li>ASFR 2 HDPE Pipe (advanced multilayer pipe with external layer anti-static resistance of <math>&lt;1,0 \times 10^9 \Omega/m</math> and external self-extinguishing halogen-free layer classified DIN 4102-1 B1, EN 13501-1 B s2 d1 and UL 94 – V0 (Low contribution to spread fire, medium smoke production index level, low level burning droplets/particles), inner layer V1. Full V0 layer on request</li> </ul>
<b>Production Norm</b>	In accordance with ASTM D 3035, F 714, EN 13244, ISO 161-1, ISO 4427. Production certified to ISO 9001
<b>Pipe colors</b>	<ul style="list-style-type: none"> <li>black</li> </ul>
<b>Sizes</b>	<ul style="list-style-type: none"> <li>ASFR HDPE multilayer pipes 90 – 500 mm in PN classes 6 – 64 bar (85 – 900 PSI).</li> </ul>
<b>Length</b>	Standard length 5,8 or 11,8 m. Other length on request.
<b>Advantages</b>	<ul style="list-style-type: none"> <li>High durability</li> <li>Low maintenance and cleaning costs</li> <li>Corrosion free, best chemical resistance</li> <li>Best mechanical resistance (abrasion and impact resistance, low crack propagation, low fractures)</li> <li>Best hydraulic due to smooth inner surface. No infiltration or exfiltration, no root penetration</li> <li>High flexibility, easy to handle (low weight)</li> <li>High temperature resistance (-40°C to +80°C)</li> </ul>
<b>Jointing</b>	<p>Due to the special additive composition used for the pipe properties, so butt fusion or electro fusion is suitable for this pipe. Following coupler options may be used</p> <ul style="list-style-type: none"> <li>Push Fit HDPE coupler Type R available in sizes 110 – 710 mm for pressure rating 16 bars</li> <li>Push Fit HDPE coupler Type S available in sizes 110 – 710 mm for pressure rating 16 bars</li> <li>Victaulic 905 couplers available in sizes 63-225 mm for pressure rating 25 bars</li> <li>Straub Plast Pro couplers available in sizes 63-110 mm PN 10 and 110-355 mm PN 16</li> </ul>
<b>Material</b>	Modified High Density Polyethylen Grade PE 100 acc ASTM D 3350 min grade PE 345444 C
<b>Fittings</b>	Fittings on request
<b>Options</b>	<ul style="list-style-type: none"> <li>ASFR HDPE Flange pipe with integrated full pressure rating flange connections</li> <li>ASFR PRE HDPE Pipe pre-insulated with PUR foam for low thermal conductivity, very good thermal insulation performance and high resistance to steam diffusion. Cover layer also comply with ASFR properties.</li> </ul>

Contact us for more details.

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