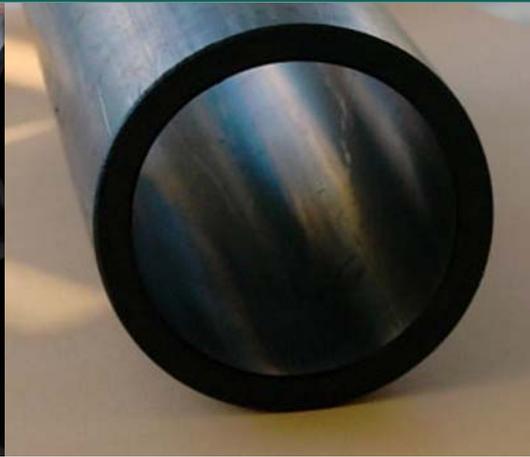


HDPE FR PIPE (FIRE RETARDANT)

DS 630 E 1113



HDPE FR PIPE (FIRE RETARDANT)

Technical Data

Advanced fire retardant HDPE pipe

Kind of Duct	FRFX Single or FRCX 2 layer pipe with smooth surface inside and outside in HDPE material grade suitable for applications in civil engineering requiring durable fire retardant pipes.
Applications	Indoor and outdoor corrosion resistant and fire retardant HDPE pipe for multiple applications
Types	<ul style="list-style-type: none"> • FRFX 25 PE Pipe (advanced self-extinguishing halogen-free HDPE single layer pipe 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) • FRCX 25 HDPE Pipe (advanced self-extinguishing halogen-free HDPE 2 layer pipe inside not fire resistant stabilized with outside self-extinguishing HDPE 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)
Production Norm	In accordance with ASTM D 3035, F 714, EN 13244, ISO 161-1. Production certified to ISO 9001
Wall thickness	Standard Dimension Ratio SDR classes 7-32 available
Pipe colors	<ul style="list-style-type: none"> • black for outdoor use • Other colors for indoor use on request
Sizes	<ul style="list-style-type: none"> • FRFX single layer 20 – 400 mm in SDR classes 7-32 • FRCX 2 layer 75 – 400 mm SDR classes 7-32.
Length	Standard length 5,8 or 11,8 m. Other length on request.
Advantages	<ul style="list-style-type: none"> • High durability and expected service life of 100 years • Low maintenance and cleaning costs • Safe and perfect welding or joint tightness (welding method depend on the FR type) • Best chemical resistance • Best mechanical resistance (abrasion and impact resistance, low fractures) • Best hydraulic due to smooth inner surface. No infiltration or exfiltration, no root penetration • High flexibility • Easy to handle (low weight) • High temperature resistance (-40°C to +80°C)
Jointing	<ul style="list-style-type: none"> • For FRCX 2 layer types butt welding according ASTM D 2657, DVS 2207 or BS 5955 Part 7 • For FRFX single layer types socket fittings
Material	High Density Polyethylen Grade PE 80 or PE 100 acc ASTM D 3350 min grade PE 345444 C, or ISO 1872 for inner layer of FRCX 2 layer types. Modified HDPE grade for outer layer of FRCX 2 layer type or for FRFX single layer type
Fittings	Fittings in request
Options	<ul style="list-style-type: none"> • FRMX 1 PP Pipe (3 layer classified EN 13501-1 B, S3, do Polypropylen pipe with certified rating) • FRMX 2 PP Pipe (3 layer DIN 4102 B1 classified Polypropylen pipe)
Installation Service	We offer welding and pipeline installation from approved welding specialists.
Welding Equipment Rental	We offer big variety of welding equipments for rental or sale and service in the field.

Contact us for more details.

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