

■ AGRU FIRE FIGHTING PIPING SYSTEM

FM-PIPING-SYSTEM



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POLYETHYLENE PIPING SYSTEM FOR UNDERGROUND FIRE FIGHTING SYSTEMS

Many industrial and automobile groups wish or demand to have an FM approval for applied infrastructure products in their factories.

AGRU had fulfilled these demands and has now an approval for PE 100 heating element butt welding-, electro fusion fittings and pipes according FM Class Number 1610 „Pipes & Fittings for Underground Fire Protection Service“. The FM Approval is issued for the dimension range of Ø63 up to Ø400 in SDR 11.

AGRU is the first plastic manufacturers, who owns an FM approval for a metric HDPE pipe and fitting system.

This FM global approval means, that AGRU PE 100 pipes and fittings correspond to the highest requirements and ensures a constant quality of the products.

This quality will be secured through an annual third party audit of FM.

The pipes and fittings are approved for a maximum operating pressure of 12 bar/175 psi at 20°C/68°F according to FM Class Number 1610.

What is FM?

FM = Factory Mutual

FM Global is the world's largest commercial and industrial property insurance and risk management organizations specializing in property protection.

Why FM Approval?

- Worldwide well known approval for the industry
- Customer trusts in FM approved material
- Better understanding in the way of risk
- A continuous cost effective insurance



THE MATERIAL

Advantages of PE 100 material

Flexibility

enables an easy installation and allows simple modification

Corrosion resistance

Good chemical resistance ensures that the AGRU HDPE system is unaffected by both internal and external corrosive attacks from a wide range of acids, alkalis and general industrial chemicals.

Very good weldability

AGRU FM approved pipes and fittings can be welded with all traditional welding methods

Very good abrasion resistance

The HDPE offers good resistance to abrasion which can rapidly damage steel or other traditional pipe materials.

Long life time

The HDPE enables a life time of > 50 years

Wide temperature range

A major advantage of the HDPE piping system in comparison to other plastic systems is the very good impact resistance at low temperatures.

World wide references e.g.

BMW - Austria, Germany & England

Mercedes - Germany

VW - Volkswagen - Germany

Phillip Morris - Serbia

Siemens - Spain



For further details and extensive product information please contact the AGRU application engineers and distribution partners.

Please find more information and updates on our homepage.

www.agru.at