

RAKtherm

FIRE-RESISTANT PPR PIPES:

Igniting Safety, Extinguishing Risks

In the heat of the moment, trust RAKtherm Fire Resistant PPR Pipes: Unrivaled safety with multi-layer PPR glass fiber and advance halogenated flame retardant.

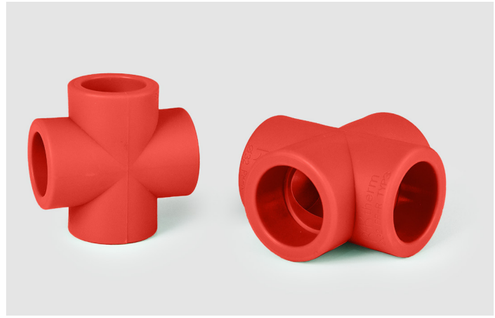
RAKtherm Fire Resistant PPR pipes exemplify advanced engineering, featuring a meticulous multilayered structure. The inner layer, precision-engineered crafted from premium PPR, is bolstered by a robust middle layer of glass fiber material. The outer layer is ingeniously formulated with PPR material infused with a specialized halogenated fire retardant. This intricate construction, characterized by the seamless integration of these high-quality materials, establishes RAKtherm as a benchmark for fire resistance and durability in the realm of piping solutions.

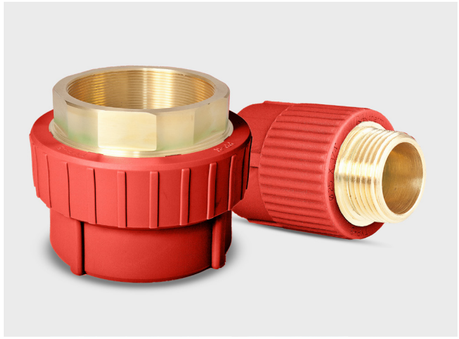
The inclusion of halogenated flame retardants in the outer layer is a testament to RAKtherm's commitment to proactive fire prevention. These flame retardants play a crucial role in disrupting combustion reactions during the gas phase, forming less reactive by-products. This intervention effectively delays or interrupts the combustion process, enhancing the overall fire resistance of the pipes. Notably, RAKtherm employs halogenated flame retardants with the lowest usage rate, emphasizing the company's dedication to both safety and environmental consciousness.

RAKtherm Fire Resistant pipes boast superior heat resistance, tensile strength, and durability, making them an ideal alternative to metallic pipes in various industries. This unique combination of features ensures that these pipes not only withstand extreme temperatures but also offer unmatched reliability in demanding environments. The result is a solution that not only meets but exceeds industry standards, providing a robust solution for fire safety infrastructure.

Product Description:

RAKtherm Fire Resistant pipes are multilayered PPR pipes with the inner layer made of PPR, middle layer made of glass fiber material and outer layer made of PPR material mixed with special halogenated fire retardant material; Halogenated flame retardants intervene in the combustion reactions during the gas phase and form less reactive by-products, delaying or interrupting combustion. Halogenated flame retardants generally have the lowest usage rate. It provides a greater heat resistance, tensile strength, and durability features. These features can be effectively used in industries instead of metallic pipes.





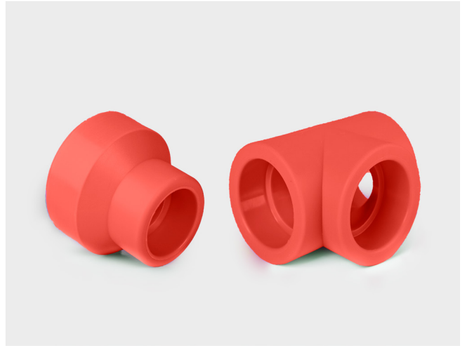
Advantages of RAKtherm Fire Resistant Pipes:

- Reduce flame spread in FRP piping for direct fire exposure applications.
- Less weight, FRP will weigh one seventh as much as steel and half as much as aluminum.
- Excellent corrosion and abrasion resistance as well as overall durability.
- Low maintenance cost and easy installation.
- Lower thermal expansion.
- FRP pipes are excellent for chemical processing because of its corrosion resistance and chemically inert properties.

"The most eminent high-end global manufacturer of piping systems technology"

Throughout the years, RAKtherm is known for its world-class brand delivering effective and efficient piping systems. With continuous pursuance in finding solutions to the major challenges in the MEP industry, we established ourselves highly recognized in the piping industry. Our understanding to the technological quest in plastic piping systems enables us to address these demanding challenges.

We are committed to making a real difference in providing hi-technological piping innovations that are breakthrough in the industry.



RAKtherm Ultimate Piping Solutions

ADVANCED GERMAN TECHNOLOGY

ENGINEERED FIRE-RESISTANT PPR PIPES

Igniting Safety, Extinguishing Risks



For Inquiries, reach out to us:
+971 7 244 7128
sales@raktherm.com
www.raktherm.com

Download Mobile App



RAKtherm

FIRE-RESISTANT PPR PIPES:

Igniting Safety, Extinguishing Risks

In the heat of the moment, trust RAKtherm Fire Resistant PPR Pipes: Unrivaled safety with multi-layer PPR glass fiber and advance halogenated flame retardant.

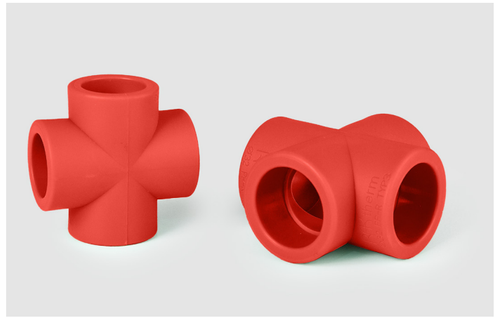
RAKtherm Fire Resistant PPR pipes exemplify advanced engineering, featuring a meticulous multilayered structure. The inner layer, precision-engineered crafted from premium PPR, is bolstered by a robust middle layer of glass fiber material. The outer layer is ingeniously formulated with PPR material infused with a specialized halogenated fire retardant. This intricate construction, characterized by the seamless integration of these high-quality materials, establishes RAKtherm as a benchmark for fire resistance and durability in the realm of piping solutions.

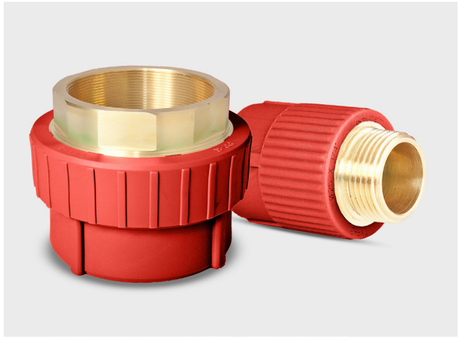
The inclusion of halogenated flame retardants in the outer layer is a testament to RAKtherm's commitment to proactive fire prevention. These flame retardants play a crucial role in disrupting combustion reactions during the gas phase, forming less reactive by-products. This intervention effectively delays or interrupts the combustion process, enhancing the overall fire resistance of the pipes. Notably, RAKtherm employs halogenated flame retardants with the lowest usage rate, emphasizing the company's dedication to both safety and environmental consciousness.

RAKtherm Fire Resistant pipes boast superior heat resistance, tensile strength, and durability, making them an ideal alternative to metallic pipes in various industries. This unique combination of features ensures that these pipes not only withstand extreme temperatures but also offer unmatched reliability in demanding environments. The result is a solution that not only meets but exceeds industry standards, providing a robust solution for fire safety infrastructure.

Product Description:

RAKtherm Fire Resistant pipes are multilayered PPR pipes with the inner layer made of PPR, middle layer made of glass fiber material and outer layer made of PPR material mixed with special halogenated fire retardant material; Halogenated flame retardants intervene in the combustion reactions during the gas phase and form less reactive by-products, delaying or interrupting combustion. Halogenated flame retardants generally have the lowest usage rate. It provides a greater heat resistance, tensile strength, and durability features. These features can be effectively used in industries instead of metallic pipes.





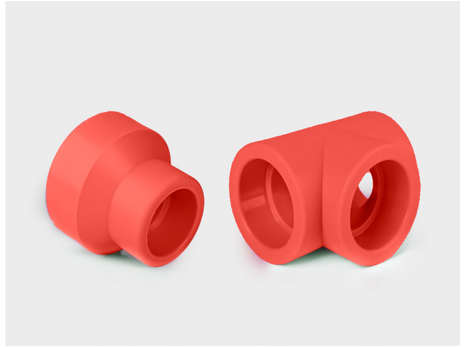
Advantages of RAKtherm Fire Resistant Pipes:

- Reduce flame spread in FRP piping for direct fire exposure applications.
- Less weight, FRP will weigh one seventh as much as steel and half as much as aluminum.
- Excellent corrosion and abrasion resistance as well as overall durability.
- Low maintenance cost and easy installation.
- Lower thermal expansion.
- FRP pipes are excellent for chemical processing because of its corrosion resistance and chemically inert properties.

"The most eminent high-end global manufacturer of piping systems technology"

Throughout the years, RAKtherm is known for its world-class brand delivering effective and efficient piping systems. With continuous pursuance in finding solutions to the major challenges in the MEP industry, we established ourselves highly recognized in the piping industry. Our understanding to the technological quest in plastic piping systems enables us to address these demanding challenges.

We are committed to making a real difference in providing hi-technological piping innovations that are breakthrough in the industry.



RAKtherm Ultimate Piping Solutions

ADVANCED GERMAN TECHNOLOGY

ENGINEERED FIRE-RESISTANT PPR PIPES

Igniting Safety, Extinguishing Risks



For Inquiries, reach out to us:
+971 7 244 7128
sales@raktherm.com
www.raktherm.com

Download Mobile App