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MM PPSU PRESS FITTING

MM PPSU press fittings are suitable to connect AIS multilayer pipes PE-RT/Al/PE-RT for cold and hot water and heating applications. They are suitable to be in contact with drinking water.

CHARACTERISTICS OF PPSU RAW MATERIAL

MECHANICAL PROPERTIES	
Tensile Modulus (MPa)	2.340
Tensile elongation at break (%)	60
Flexural Modulus (MPa)	2.410
THERMAL PROPERTIES	
Glass transition temperature (°C)	220
Thermal conductivity (W/m·K)	0,35
Coefficient of thermal linear expansion (cm/cm·°C)	$5,6 \times 10^{-5}$



ADVANTAGES OF PPSU PRESS FITTINGS

- Resistance of raw material (PPSU) to high temperatures (> 200°C).
- High resistance to corrosion and encrustations.
- Suitable for several types of jaws: U, TH, H and RFz.
- Inspection window on the plastic ring.
- 3 O-rings.



EXPOSURE TO UV RADIATION

The AIS PPSU fittings must be protected from direct ultraviolet radiation (UV).

CONTACT WITH CHEMICAL SUBSTANCES

Under certain circumstances, some aggressive chemicals that are present in the work could damage PPSU material. Those chemical substances are usually present in:

- Insulation foams: especially based on PU, methacrylate, isocyanate and acrylate.
- Leak detection sprays.
- Greases.
- Chemical sealants (e.g. Loctite), and adhesives (e.g. 2-part adhesives).
- Paints.

It must be avoided the direct contact of PPSU press fittings with this kind of chemical products.

MM PPSU system does not require the use of any chemical product or additional lubrication during installation. For further information, do not hesitate to contact with our technical department.