



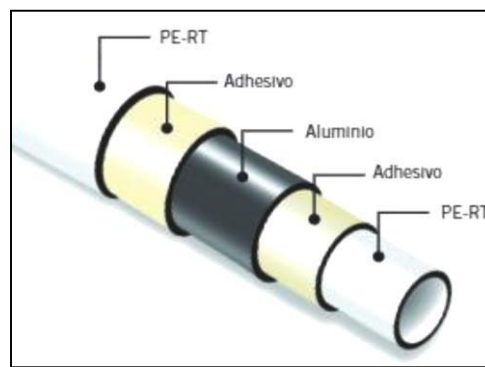
Serie 640

DESCRIPCION: Multilayer hose PERT-Al-PERT

REVISIÓN/UPDATE 1: 30.11.2018 · Pag. 1/3

MULTILAYER HOSE has (PERT-Al-PERT) Five different skins:

- 1- External skin: PE-RT Hose. PE hose with high resistance To high temperature according to ISO 53960EX.
- 2- Glue, specially designed to join plastic and metal with a fusion point of more than 120°
- 3- Central skin is an specific alluminium for high temperatures
- 4- glue, specially designed to join plastic and metal with a fusion point of more than 120°
- 5- External skin: PE-RT Hose. PE hose with high resistance To high temperature according to ISO 53960EX.

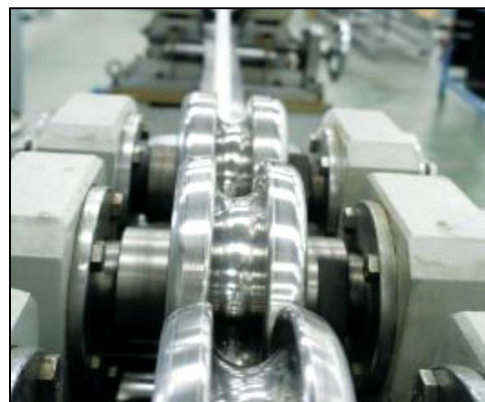


APLICACIONES:

The properties of the multilayer pipeline, qualify it as the ideal pipeline for applications in hot water pipes (heating pipes, underfloor heating or domestic hot water) and in transport of corrosive fluids, being the main applications the following:

- Plumbing installations (hot and cold sanitary water)
- Heating installations by radiators.
- Underfloor heating installations.
- Systems of melting ice and snow in acceses to general buildings.
- Air conditioning installations
- Industrial installations of compressed air.
- Livestock facilities.
- Animal and food industry processes.

The manufacturing process of the multilayer pipe guarantees both the perfect welding of the Aluminum and the good adhesion between the plastic and metallic materials, thus obtaining a high quality pipe, which meets the needs of the market for sanitary water and heating pipes.



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To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may regulate the use of this product.

Características técnicas

Thermal Features

Characteristic	value	measure
Max temperature in service	95	°C
Punctual max temperature	110	°C
Lineal dilatation coefficient	0,025	mm/m
Thermal conductivity	0,40	W/m K

Physical characteristic

Charasteristic	value	measure
Presión de reventamiento	80	°C
Permeabilidad al oxígeno	<0,10	g/m3.d
Rugosidad interna	0,007	mm
Fuerza adhesión min PERT-AL	>25	N/cm

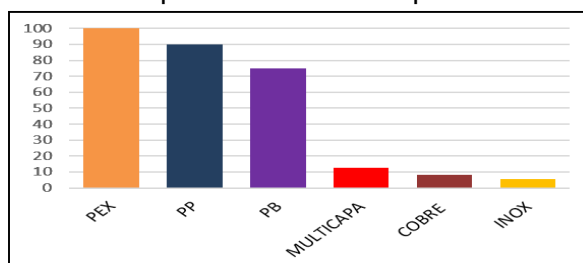
Pressures / UNE EN 53960EX

Characteristic	value	measure
Cold water (20°C)	10	Bar
Class 1. Hot water supply 60°C	6	Bar
Class 2. Hot water supply 70°C	6	Bar
Class 4. Heating floor	6	Bar
Class 5. High temp. radiators	6	Bar

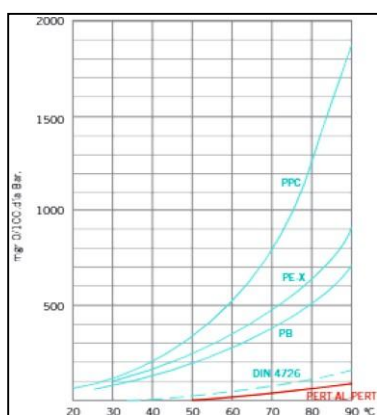
Resistencia a la PRESIÓN

Characteristic	value	measure
Resistance to the internal pressure 20°C, 1h	>40	Bar
Resistance to the internal pressure 95°C, 1h	>30	Bar
Resistance to the internal pressure 95°C, 165h	>23	Bar
Resistance to the internal pressure 95°C, 1000h	>20	Bar

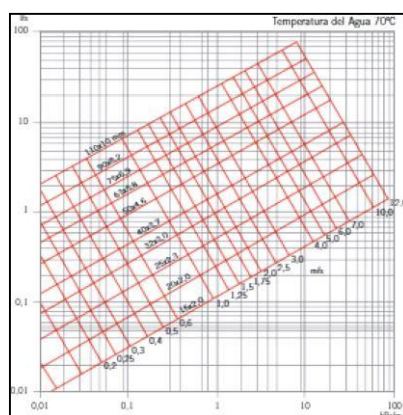
Comparative thermal Expansions



Oxygen permeability curve



Head losses



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640

Tubo multicapa PERT-AL-PERT
Multilayer pipe PERT-AL-PERT



CODIGO CODE	MEDIDA SIZE	METROS METERS
640-025016	16 x 2.0	25
640-100016	16 x 2.0	100
640-100018	18 x 2.0	100
640-025020	20 x 2.0	25
640-100020	20 x 2.0	100
640-025025	25 x 2.5	25
640-050025	25 x 2.5	50
640-025026	26 x 3.0	25
640-050026	26 x 3.0	50
640-025032	32 x 3.0	25
640-050032	32 x 3.0	50

6400

Calibrador
Gauge



CODIGO CODE	MEDIDA SIZE
6400-16202632	16-20-26-32

640151

Tubo corrugado rojo
Red corrugated pipe



CODIGO CODE	MEDIDA SIZE	METROS METERS
640151-019	19	2.0
640151-023	23	2.0
640151-029	29	2.0

640152

Tubo corrugado azul
Blue corrugated pipe



CODIGO CODE	MEDIDA SIZE	METROS METERS
640152-019	19	50
640152-023	23	50
640152-029	29	50

Certificaciones / Certifications

**CE:**

Certificado que garantiza que toda la gama de tubería multicapa cumple las exigencias de la normativa UNE EN ISO 15875

**CE:**

Certificado SKZ (Suddettes Kunststoff Zentrum) en toda la gama de tubería multicapa.

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