

Description

TELCRA® is an innovative and unique material in the market with excellent insulation characteristics. This material possesses low thermal conductivity and low density, for this reason it can achieve excellent insulation with a low thickness. TELCRA® forms chemical bond with silicone materials.



Physical properties

| | |
|------------------------------------------------------------|----------------|
| Range temperature (°C) | (-60 – 180) °C |
| Color | White* |
| Density (kg/m ³) | 500 |
| Thickness | Customizable |
| Thermal conductivity (W·K ⁻¹ ·m ⁻¹) | 0.12 |

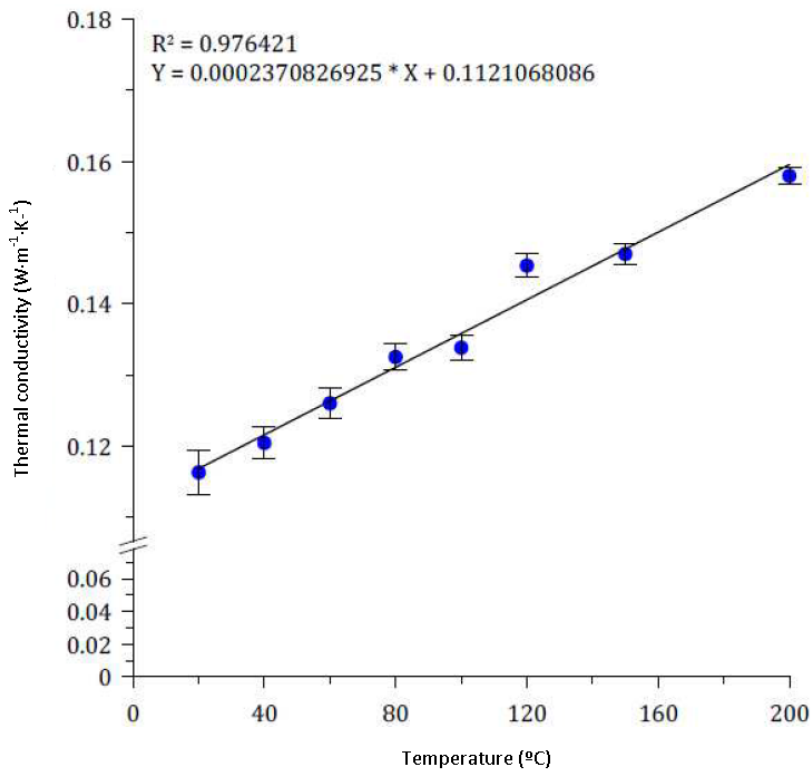
*Available in other colors under request

Advantages

- **Good thermal insulation**
Low thermal conductivity for improved efficiency.
- **Anti-condensation:**
When properly installed in the correct thickness, this product eliminates condensation problems on cold surfaces.
- **Ultralight**
Lightweight material with a density of 500 kg/m³.
- **Easy installation**
Super flexible material. Contours easily to complex forms.
- **Adhesion to silicone**
Telcra® presents an adhesive-free chemical adhesion with silicone materials.
- **Environmentally Safe**
Odorless, tasteless and completely non-toxic.

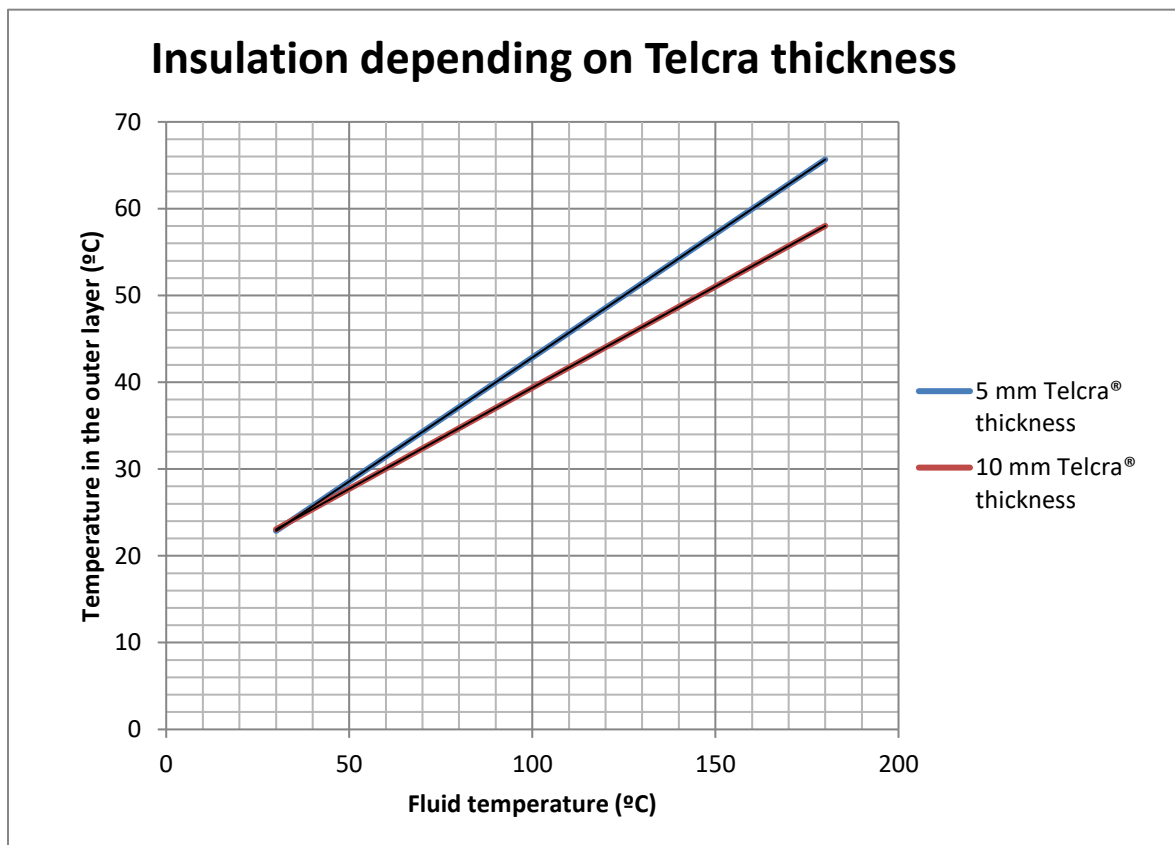
Thermal conductivity

ASTM D5334 results



| Temperature (°C) | 20 | 40 | 60 | 80 | 100 | 120 | 150 | 200 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| (W/m·K) | 0,116 | 0,120 | 0,126 | 0,133 | 0,134 | 0,145 | 0,147 | 0,158 |

Insulation depending on Telcra® thickness



*Test performed with 650/V hose (ø25mm, L=2M) and fluid at 100 L/min.

Use Precautions

- Before every use check the hose condition. The hose cover should show no signs of cuts, tears, kinking, crushing or bubbles. There should be no hard or weak areas, signs of detachment, powder or collapse.
- Do not immerse Telcra® hose assembly in any fluid because only the inner tube is suitable for contact with the cleaning solvents.
- The Telcra® layer is made by a very sensitive material with a low density and high porosity whose properties could be affected by any cleaning product or mechanical abrasion, so we do not recommend to apply any liquid neither any mechanical friction externally.