

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

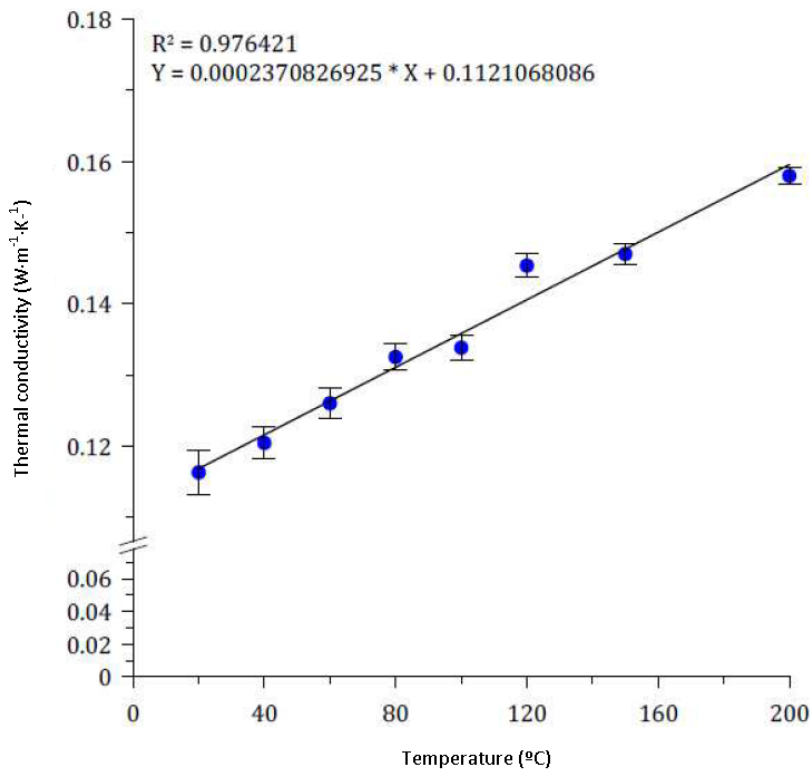
*Available in other colors under request

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.

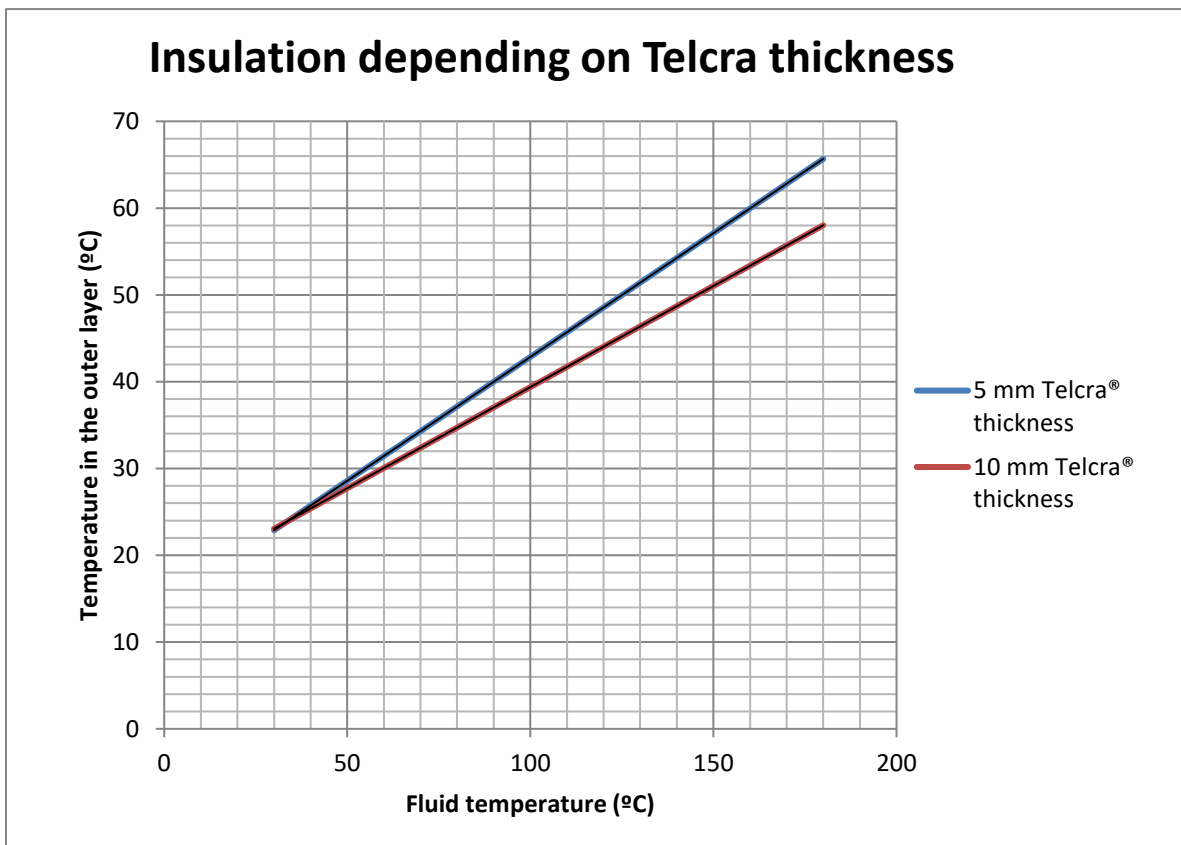
Thermal conductivity

ASTM D5334 results



Temperature ($^{\circ}\text{C}$)	20	40	60	80	100	120	150	200
($\text{W}\cdot\text{m}\cdot\text{K}$)	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 (∅25mm, L=2M) and fluid at 100 L/min.