

Indicative Product Properties

		SKOGAR® ST	SKOGAR® HT
TYPE OF MATERIALS		Silica Aerogel & Glass Fibers	Silica Aerogel & Oxidized polyacrylonitrile (PAN) fibers
PROPERTIES	UNITS	VALUES	VALUES
Thickness Acc ISO 9073-2	mm	0.5 1.0 2.0 2.5 3.5	2.0 2.5 3.0 5.5
Thickness tolerance	mm	+/- 0.2	+/- 0.3
Thermal Properties			
Thermal conductivity (at 20°C) Acc EN 12667	W/(m.K)	0.012 - 0.015	0.012 - 0.018
Heat capacity: Cp (at 20°C) Acc ISO 11357	J/Kg/K	≈ 1100	≈ 1600
Coef. of Thermal Expansion -150/300°C Acc ISO 11359	K ⁻¹	37.10 ⁻⁶	-1.4.10 ⁻⁵
Short-time flame exposure	°C	Up to 1100	Up to 1300
Flammability UL 94-V FAR 25.853	-	V-0 classification (ST2.5) ISO 3795 (other ST)	V-0 classification FAR 25.853 App F
Mechanical Properties			
Compression Stiffness - Deformation (at 0.2 MPa) Acc ASTM D575	%	≤ 45	≤ 35
Compression Set (% , Max) @ 50% Deformation 50% Acc ISO 1856	%	≤ 15	≤ 35
Stiffness	-	Rigid	Flexible
Electrical Properties			
Dielectric strength EN 60243-2	kV/mm	> 2.5	> 2.5
Physical Properties			
Density	kg/m ³	130 - 160	140 - 180
Surface chemistry	-	Hydrophobic	Hydrophobic

All physical and mechanical values are average results from standard production, tested under internal procedures. Typical values are provided for reference only and may vary depending on testing methods. If a specific value is critical for your specifications, please contact Enersens's technical department

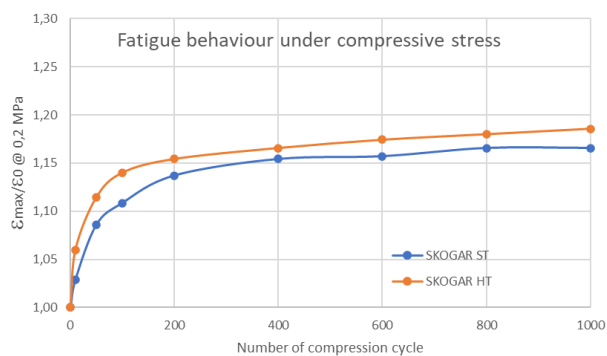
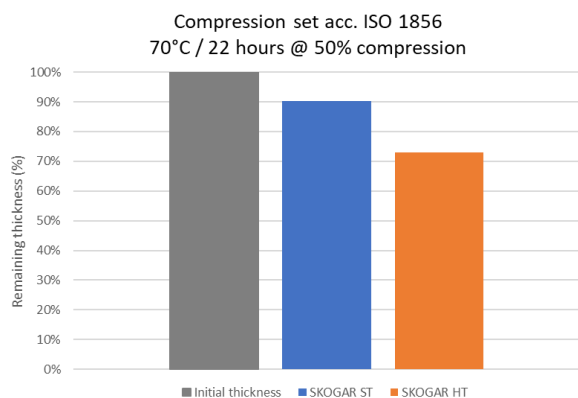
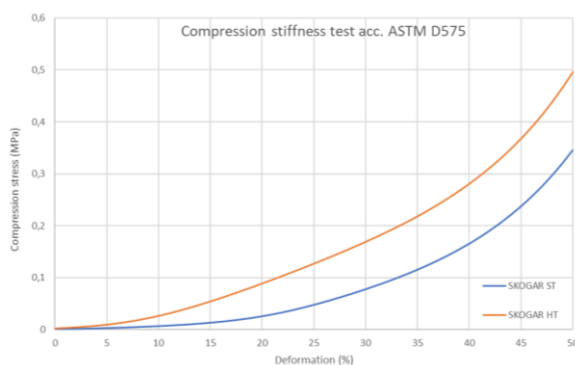
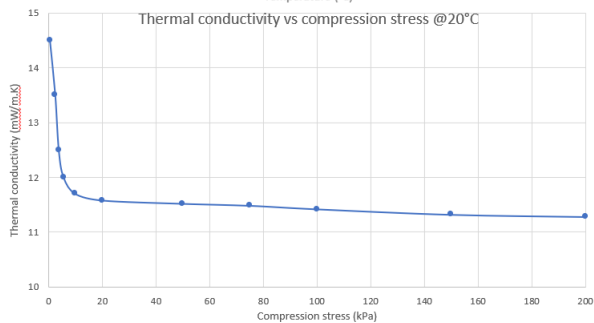
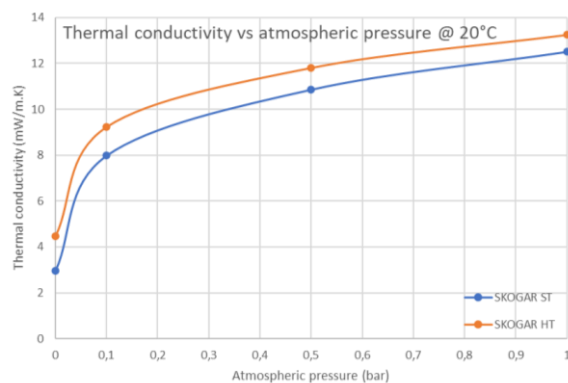
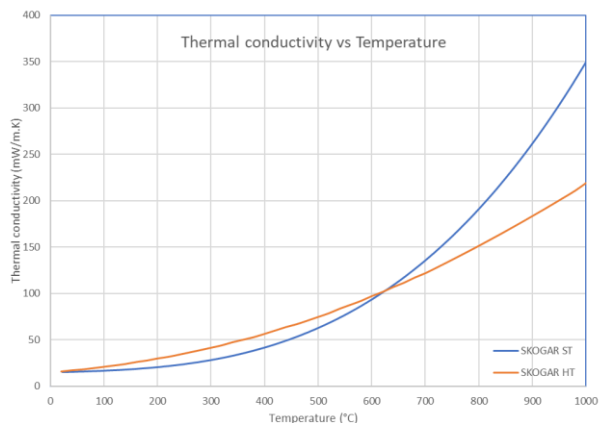
SKOGAR® PRODUCTS



SKOGAR® ST 0.5 to 3.5
Thickness: 0.5 mm to 3.5 mm



SKOGAR® HT 2.0 to 5.5
Thickness: 2.0 mm to 5.5 mm



- ✓ Simply the best performance: **thermal conductivity of 0.012 W/(m.K)**
- ✓ Stable over time and in front of all external conditions: from **-195°C to 1300°C**
- ✓ Excellent fire behaviour: **non-flammable material (UL94 - V0 certified)**



- ✓ Ultra-thin products: **0.5mm / 1mm / 2mm / 2.5mm / 3.0mm / 3.5mm / 5.5mm**
- ✓ A flexible insulation, **easy to cut and safe to handle**