

## TECHNICAL DATA



### K-FLEX® ST TUBES ▶ TECHNICAL DATA

Property	Value		Test method
Temperature range	K-FLEX® ST Tubes: from -165 °C* to +110 °C K-FLEX® ST/SK: from -40 °C to +85 °C		EN 14706 EN 14707
Thermal conductivity $\lambda$ W/(m•K)	Thicknesses $\leq$ 25mm -20 °C = 0,031 0 °C = 0,033 +20 °C = 0,035 +40 °C = 0,037	Thicknesses $>$ 25mm -20 °C = 0,034 0 °C = 0,036 +20 °C = 0,038 +40 °C = 0,040	EN 13787 EN ISO 8497
Corrosion prevention	pH neutral (7 $\pm$ 0,5)		EN 13468
Permeability $\mu$	$\geq$ 10000	$\geq$ 7000	EN 12086
Fire rating	K-FLEX® ST Tubes Thickness up to 50 mm: Euroclass B <sub>L</sub> -s2, d0 Thickness over 50 mm: Euroclass B <sub>L</sub> -s3, d0 K-FLEX® ST/SK: Euroclass B <sub>L</sub> -s2, d0 Class 0		EN 13501-1 EN 13501-1 EN 13501-1 BS 476 Part 6/7
Ecological data	Without CFCs and HCFCs		

\* For industrial applications, product can be applied down to -198°C; for applications below -40°C please contact our technical department.

K-FLEX® reserves the right to change data and technical requirements without notice.



### K-FLEX® ST SHEETS ▶ TECHNICAL DATA

Property	Value		Test method
Temperature range	K-FLEX® ST Sheets: from -165 °C* to +85 °C		EN 14706 EN 14707
Thermal conductivity $\lambda$ W/(m•K)	Thicknesses $\leq$ 25mm -20 °C = 0,031 0 °C = 0,033 +20 °C = 0,035 +40 °C = 0,037	Thicknesses $>$ 25mm -20 °C = 0,034 0 °C = 0,036 +20 °C = 0,038 +40 °C = 0,040	EN 13787 EN ISO 8497
Corrosion prevention	pH neutral (7 $\pm$ 0,5)		EN 13468
Permeability $\mu$	$\geq$ 10000	$\geq$ 7000	EN 12086
Fire rating	K-FLEX® ST Sheets: Euroclass B-s3, d0 Class 0		EN 13501-1 BS 476 Part 6/7
Ecological data	Without CFCs and HCFCs		

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