

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 λ W/(m•K)	<table border="1"> <tr> <th>Thicknesses ≤ 25mm</th> <th>Thicknesses > 25mm</th> </tr> <tr> <td>-20 °C = 0,031</td> <td>-20 °C = 0,034</td> </tr> <tr> <td>0 °C = 0,033</td> <td>0 °C = 0,036</td> </tr> <tr> <td>+20 °C = 0,035</td> <td>+20 °C = 0,038</td> </tr> <tr> <td>+40 °C = 0,037</td> <td>+40 °C = 0,040</td> </tr> </table>	Thicknesses ≤ 25mm	Thicknesses > 25mm	-20 °C = 0,031	-20 °C = 0,034	0 °C = 0,033	0 °C = 0,036	+20 °C = 0,035	+20 °C = 0,038	+40 °C = 0,037	+40 °C = 0,040	EN 13787 EN ISO 8497
Thicknesses ≤ 25mm	Thicknesses > 25mm											
-20 °C = 0,031	-20 °C = 0,034											
0 °C = 0,033	0 °C = 0,036											
+20 °C = 0,035	+20 °C = 0,038											
+40 °C = 0,037	+40 °C = 0,040											
Corrosion prevention	pH neutral (7±0,5)	EN 13468										
Permeability μ	≥ 10000 ≥ 7000	EN 12086										
Fire rating	K-FLEX® ST Tubes Thickness up to 50 mm: Euroclass B _L -s2, d0 Thickness over 50 mm: Euroclass B _L -s3, d0 K-FLEX® ST/SK: Euroclass B _L -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 λ W/(m•K)	<table border="1"> <tr> <th>Thicknesses ≤ 25mm</th> <th>Thicknesses > 25mm</th> </tr> <tr> <td>-20 °C = 0,031</td> <td>-20 °C = 0,034</td> </tr> <tr> <td>0 °C = 0,033</td> <td>0 °C = 0,036</td> </tr> <tr> <td>+20 °C = 0,035</td> <td>+20 °C = 0,038</td> </tr> <tr> <td>+40 °C = 0,037</td> <td>+40 °C = 0,040</td> </tr> </table>	Thicknesses ≤ 25mm	Thicknesses > 25mm	-20 °C = 0,031	-20 °C = 0,034	0 °C = 0,033	0 °C = 0,036	+20 °C = 0,035	+20 °C = 0,038	+40 °C = 0,037	+40 °C = 0,040	EN 13787 EN ISO 8497
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+40 °C = 0,037	+40 °C = 0,040											
Corrosion prevention	pH neutral (7±0,5)	EN 13468										
Permeability μ	≥ 10000 ≥ 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											

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

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