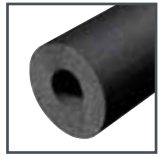




# KAIFLEX ST

TECHNICAL DATA ■ 09.2012



TECHNICAL DATA										
Material	Highly flexible, closed-cell insulation, FEF (Flexible Elastomeric Foam), CE-compliant									
Description	Highly flexible, closed-cell insulation material defined by extremely high moisture resistance factor and extremely low thermal conductivity.									
Application	Condensation prevention and energy loss limitation where piping (including elbows, filters), ducting, chillers and air conditioning equipment are concerned.									
Area of application (limit temperature)	Max. medium temperature	+110 °C	(sheets + 90 °C)				Please contact our Technical Service Department where temperatures exceed - 50 °C.			
	Min. medium temperature	- 50 °C	(- 200 °C)							
Thermal conductivity DIN EN ISO 8497 / DIN EN 12667	Medium temperature °C	-30	-20	0	+10	+20	+40	+70		
	Thermal conductivity W/(m•K)	0,031	0,032	0,034	0,035	0,036	0,038	0,041		
Water vapour resistance factor DIN EN 13469 / DIN EN 12086 Diffusion resistance coefficient	≥ 10.000 μ									
Fire rating according DIN EN 13501-1	<b>Tubes:</b> highly flame retardant - B <sub>L</sub> -s3, d0, ≤ 25 mm thickness <b>Tubes:</b> highly flame retardant - C <sub>L</sub> -s3, d0, > 25 mm to ≤ 45 mm thickness <b>Sheets:</b> highly flame retardant - B-s3, d0, 3 mm to 50 mm thickness Self extinguishing, doesn't propagate fire and produces no burning droplets in a fire situation.									
Fire rating national	CH:	<b>VKF Brandkennziffer</b>				5.2 schwerbrennbar, nicht tropfend				
Further Certification	UL-approved (UL94) FM-approved DNV, Lloyd's Register, See BG									
Fire performance surface spread of flame, BS476 Part 7 1997	Class 1									
Fire propagation BS476 Part 6 1989	<b>Class 0</b>									
Total Index of Performance Sub Index										Less than 12
Resistance to chemicals	Consult product test list									
Corrosion prevention	complies to DIN 1988 part 7									
AGI insulation reference number	<b>Tubes:</b>	36.12.02.11.10				<b>Sheets:</b>				36.07.02.09.10
Warehousing	self-adhesive products: 1 year									
Manufacturing process	without CFC, HFCKW, formaldehyde, cadmium									
<b>Note on the technical data:</b>	All values are based on results obtained under typical conditions of use. In his own interests the recipient of these values should check with us beforehand that the values figures are in fact correct for his intended application. In the event of a discrepancy between the information of non-German document and the German document, the German version shall prevail.									