



K-FLEX ECO

K-FLEX ECO -Technical Data Sheet

Description

Highly flexible closed cell elastomeric foam (FEF) suitable for hot and cold thermal insulation, free from halogenated flame retarders and halogenated ingredients, featuring a low toxicity in case of fire.

Applications

Thermal insulation for pipes, ducts, tanks, applied for refrigeration, air conditioning, heating and plumbing, pipe fittings and water ducts, industrial applications for energy saving and/or condensation prevention purposes.

Brand names

“K-FLEX ECO” sold as tubes, self adhesive tubes, sheets, tape and self adhesive sheets

Reaction to Fire

Reaction to Fire :

Conform to BS476 part 6,7 up to 13mm

Conform to EN45545, R1 HL2

Conform to DIN5510 S4, SR2, ST2

Physical properties

Property	Value	Notes
Maximum service temperature Tubes (EN14707): Sheets (EN14706): Tape, self adhesive sheets and self adhesive tubes:	+150°C + 85°C	
Minimum service temperature	-165°C	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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Water vapour diffusion resistance (EN 12086) Tubes, sheets tapes, Duct	$\mu \geq 3\,000$	
Water absorption (EN 13472)	<0.1 %	
Leachable chlorides (EN 13468)	<500 ppm	When tested in line with DIN1988/7, leachable chlorides <0.05%
Ph (EN 13468)	Neutral (7)	
Reaction to fire (EN13501)	E DL, s2, d0	(sheets, self adhesive sheets 3 to 50mm, 3mm tapes) (tubes and self adhesive tubes, up to 50mm)
Dimensional tolerances	as per EN14304	

Medium temperature [°C]	-30	-20	-10	0	10	20	30	40	50	70
Thermal conductivity [W/(m °K)]	0.035	0.036	0.037	0.038	0.039	0.040	0.041	0.042	0.043	0.044