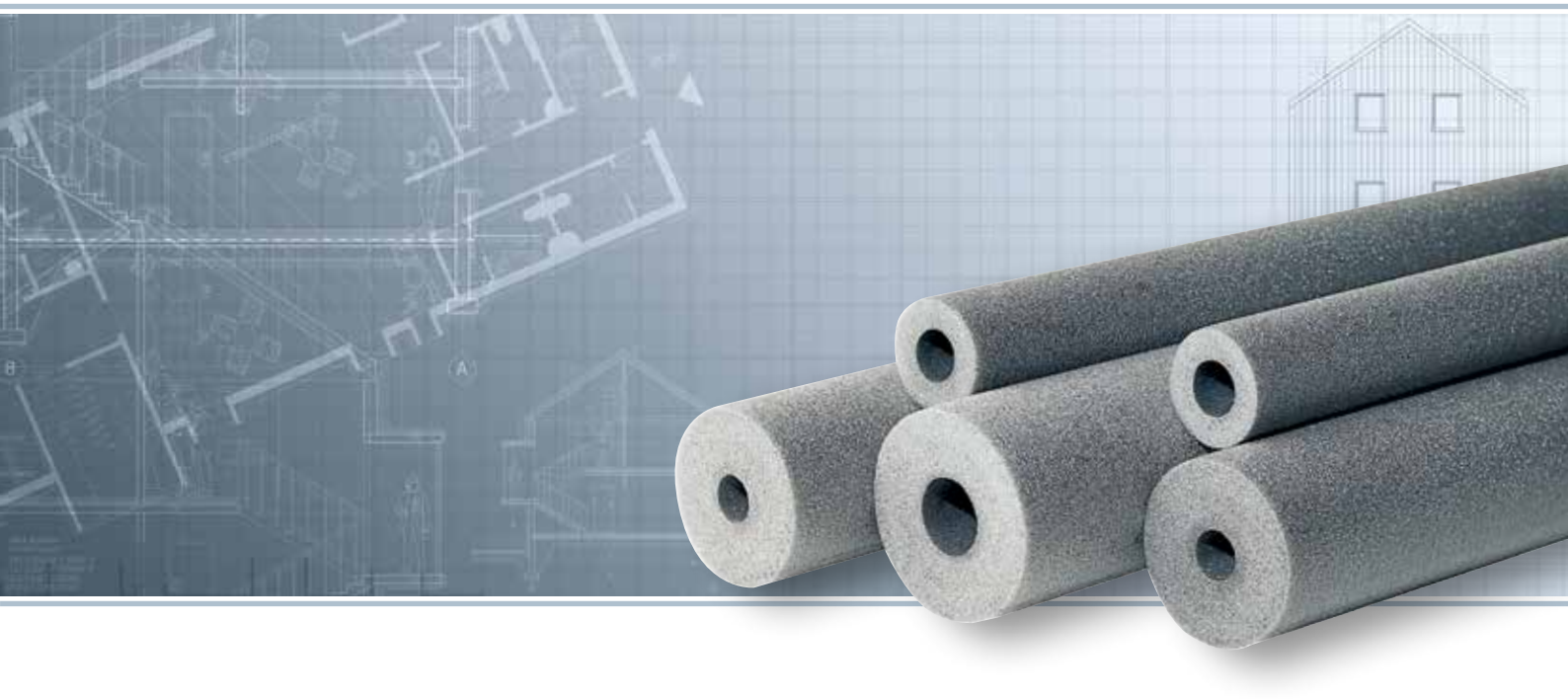
kaifoam® PE



Saves energy and offsets pipe freezing in domestic applications

Kaifoam PE is a high-quality, easy-to-process polyethylene insulation material for heating and sanitary facilities. With its low thermal conductivity and minimised energy loss, it is capable of sustainably reducing CO_2 emissions. The material also prevents the formation of condensation on cold water pipes.

Valid from 18.02.2019

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Kaifoam PE Technical data

Material		Polyethylene	
Cell structure		Closed cell	
Upper temperature limit	Tubes and floor sleeve PE strips	+100 °C +85 °C	
Lower temperature limit		As typical for Heating and Plumbing installations	
Thermal conductivity	λ_ϑ at +30 °C at +40 °C at +50 °C	$0.036 + 8.0 \cdot 10^{-5}\,\vartheta + 7.0 \cdot 10^{-7}\,\vartheta^2$ ≤0.039 W/(m·K) ≤0.040 W/(m·K) ≤0.041 W/(m·K)	Test acc. to DIN EN ISO 8497
Euroclass ◊		E_L	Test acc. to DIN EN 13501-1
Sound level with insulation	Installed sound level L	at flow rate 1.0 l/s at flow rate 2.0 l/s	25 dB(A) 28 dB(A)
Sound level without insulation	Installed sound level L	at flow rate 1.0 l/s at flow rate 2.0 l/s	33 dB(A) 37 dB(A)
Shelf life	Self-adhesive products	1 year	Store in a dry room at a typical relative humidity (between 50 % and 70 %) and room temperature (between 0 °C and +35 °C)
Tolerances		In acc. with DIN EN 14313:2013-04	

◊ The Euroclass rating applies to metalic or solid mineral substrates.

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Kaifoam PE Insulation

Colour: Grey · Length: 2 m

Copper pipe **Cu**			Iron & steel pipe **Fe**			**9 mm** Insulation thickness			**13 mm** Insulation thickness		
NB inch	**Nom OD inch**	**Nom OD mm**	**NB inch**	**Nom OD mm**	**Min ID mm**	**Reference**	**Order No.**	**m/ carton**	**Reference**	**Order No.**	**m/ carton**
3/8	1/2	12.0			13.0	**PE-09x012**	4002556	456	**PE-13x012**	4002583	300
1/2	5/8	15.0			16.0	**PE-09x015**	4002557	380	**PE-13x015**	4002584	256
3/4	7/8	22.0	1/2	21.3	23.0	**PE-09x022**	4002559	250	**PE-13x022**	4002586	180
1	1 1/8	28.0	3/4	26.9	29.0	**PE-09x028**	4002560	190	**PE-13x028**	4002587	140
1 1/4	1 3/8	35.0	1	33.7	36.0	**PE-09x035**	4002561	150	**PE-13x035**	4002588	120
1 1/2	1 5/8	42.0	1 1/4	42.4	43.5	**PE-09x042**	4002562	110	**PE-13x042**	4002589	90
			1 1/2	48.3	49.5	**PE-09x048**	4002563	90	**PE-13x048**	4002590	70
2	2 1/8	54.0		54.0	55.0	**PE-09x054**	4002564	70	**PE-13x054**	4002591	66
			2	60.3	61.5	**PE-09x060**	4002566	66	**PE-13x060**	4002592	48
2 13/16	3	76.1	2 1/2	76.1	77.0				**PE-13x076**	4002593	40
			4	114.3	116.0				**PE-13x114**	4002596	22

Copper pipe **Cu**			Iron & steel pipe **Fe**			**20 mm** Insulation thickness			**25 mm** Insulation thickness		
NB inch	**Nom OD inch**	**Nom OD mm**	**NB inch**	**Nom OD mm**	**Min ID mm**	**Reference**	**Order No.**	**m/ carton**	**Reference**	**Order No.**	**m/ carton**
3/8	1/2	12.0			13.0						
1/2	5/8	15.0			16.0	**PE-20x015**	4002597	134	**PE-25x015**	4002611	90
3/4	7/8	22.0	1/2	21.3	23.0	**PE-20x022**	4002599	108	**PE-25x022**	4002613	70
1	1 1/8	28.0	3/4	26.9	29.0	**PE-20x028**	4002600	96	**PE-25x028**	4002614	66
1 1/4	1 3/8	35.0	1	33.7	36.0	**PE-20x035**	4002601	70	**PE-25x035**	4002615	56
1 1/2	1 5/8	42.0	1 1/4	42.4	43.5	**PE-20x042**	4002602	60	**PE-25x042**	4002616	48
			1 1/2	48.3	49.5	**PE-20x048**	4002603	48	**PE-25x048**	4002617	40
2	2 1/8	54.0		54.0	55.0	**PE-20x054**	4002604	48			
			2	60.3	61.5	**PE-20x060**	4002605	40			
2 13/16	3	76.1	2 1/2	76.1	77.0	**PE-20x076**	4002606	26			
			4	114.3	116.0						

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