


X-FOAM® EASY PIL

EXTRUDED POLYSTYRENE X-FOAM® WITHOUT EXTRUSION SKIN AND WITH GROOVES [WITHOUT HCFC - WITHOUT HFC]

PROPERTY	NORM	UNITS	VALUE			
DIMENSIONS						
Thickness	EN 823	mm	25 - 30 - 40 - 50 - 60 - 80			
Thickness tolerance (T2)	EN 13164 / EN 823	mm	-1,5 / +1,5			
Length	EN 822	mm	1250			
Width	EN 822	mm	600			
EDGE PROFILE						
Butt edge		Surface: Without extrusion skin with longitudinal grooves in the surface				
DECLARED THERMAL CONDUCTIVITY AND DECLARED THERMAL RESISTANCE						
Declared thermal conductivity						
Thickness from 25mm to 30mm	EN 13164 EN 12667	W/mK	0,032			
Thickness 40mm			0,033			
Thickness from 50mm to 60mm			0,034			
Thickness 80mm			0,035			
Thermal Resistance (Norm EN 13164)						
Thickness (mm):	25	30	40	50	60	80
Thermal Resistance (m ² K/W):	0,70	0,90	1,15	1,45	1,75	2,25
COMPRESSIVE STRESS OR COMPRESSIVE STRENGTH AT 10% DEFORMATION						
Compressive strength at 10% deformation	EN 826	kPa	≥ 200			
DIMENSIONAL STABILITY UNDER SPECIFIED TEMPERATURE AND HUMIDITY CONDITIONS						
Relative change in thickness, length and width with specified temperature (70 °C) and humidity conditions (90% H.R.)	EN 1604	%	< 0,5			
LONG TERM WATER ABSORPTION BY IMMERSION						
Long term water absorption by immersion (28 days)	EN 12087	Vol. %	≤ 0,7			
LONG TERM WATER ABSORPTION BY DIFFUSION						
Thickness from 25mm to 50mm	EN 12088	Vol. %	≤ 5			
Thickness from 60mm to 80mm			≤ 3			
WATER VAPOUR DIFFUSION RESISTANCE FACTOR (μ)						
Water vapour diffusion resistance factor (μ)	EN 12086		80			
REACTION TO FIRE						
Reaction to fire	EN 13501-1	Euroclass	E			
MAXIMUM TEMPERATURE OF USE						
Maximum temperature of use		°C	+ 75			