XPS Foam Board



Fine tolerance filament sliced surface

	Properties	Unit	Unit	Value					
Measurements	Thickness	mm	DIN EN 823	2,8 - 45					
	Length	mm	DIN EN 822	1000 - 3010					
	Width	mm	DIN EN 822	460 - 900 ^{①,③}					
Tolerances	Thickness	mm	DIN EN 823	± 0,5					
	Length	mm	DIN EN 822	± 5					
	Width	mm	DIN EN 822	± 1					
	Rectangularity	mm/m	DIN EN 824	≤5					
Property mechanics	Compressive str ength or compressive stress at 1 0 % deformation	kPa ^②	DIN EN 826	≥ 300 - ≥ 700 ^{①,} ③					
	Tensile strength	kPa ^②	DIN EN 1607	≥ 600					
	Compressive modulus	N/mm ²	DIN EN 826	10 - 45 ^{①,③}					
Other Properties	Density	kg/m³	DIN EN 1602	> 30					
	Thermal conductivity $\lambda_{\scriptscriptstyle D}$	W/(m ⋅K)	DIN EN 13164	0,035 - 0,037 ³					
	Working temperature	°C	/	-50 / +75					
	Reaction to fire	/	DIN 4102-1	В1					
		/	EN 13501-1	Euroclass E					
	Long-term water absorption by total immersion	Vol-%	DIN EN 12087	≤ 1,0					
	s₅-value	m	DIN EN 12086	3 - 16 (1)					
	Coefficient of linear thermal expansion	mm/(m ⋅K)	/	0,07					
	Dimensional stability under 70°C relative humidity 90%	%	EN 1604	≤ 5					
	Dimensional stability under 70°C temperature, 40 kPa load	%	EN 1605	≤ 5					
(1) depending on thickness	s ② 10 0 kPa = 10 0 kN/m ² = 0,1 N/mm ² ③ depending on compressive strength								

depending on thickness

(2) $100 \text{ kPa} = 100 \text{ kN/m}^2 = 0, 1 \text{ N/mm}^2$ (3) depending on compressive strength

water / seawater / salt-dilutions / alcohols / liquefied inorganic gases / bases / weak & diluted acids / bitumen / lime / cement / gypsum / sand							A DECEMBER OF THE OWNER OWNE	
homogeneous, with close cells, pressure resistant, elastic; hydrophobic, non-rotting, non-aging, not ultraviolet-consistent; Machining of XPS with milling cutters, saws, heated filaments.								
for example adhesion with hotmelt-, epoxy- and polyurethane solution adhesive without solvents								
Cutting with shaping, sawing, hot-wire, shearing							INTERSEROH	
Length [mm]	Thickness [mm]	min. and max. width [mm]	Compressive strength [kPa]	Tensile strength [kPa]	Thermal conductivity [W/(m ⋅K)]		RECYCLING	
	2,8 - 45	460 - 900	≥ 300	≥ 600	0,035			
3.010	2,8 - 45	460 - 600	≥ 500	≥ 600	0,037	ſ		
	2,8 - 45	500 - 600	≥ 700	≥ 600	0,037			
Width variations can be manufactured in 5 mm increments. (, 600, 605, 610 mm,)							FSC www.fsc.org	
Length variations can be manufactured in 10 mm increments. (, 2090, 3000, 3010 mm,) Board thicknesses of 1/10 mm are also available by arrangement.							MIX Papier aus ver antwortungsvolle Quellen FSC [®] C07432	
	Length [mm]	weak & hor hydrog Machi for exmple adhesion w Length [mm] 2,8 - 45 2,8 - 45 2,8 - 45 2,8 - 45 Vidt Length	weak & diluted acids / bitumer homogeneous, with close of hydrophobic, non-rotting, nor Machining of XPS with milling for example adhesion with hotmelt-, epoxy- and for example adhesion with hotmelt-, epoxy- and the for example adhesion with shaping, Length [mm] Thickness [mm] 2,8 - 45 460 - 900 3.010 2,8 - 45 2,8 - 45 500 - 600 Width variations can be man (, 600, 60 Length karlations can be man (, 2090, 300)	weak & diluted acids / bitumen / lime / cement / gyp homogeneous, with close cells, pressure resistant hydrophobic, non-rotting, non-aging, not ultraviole Machining of XPS with milling cutters, saws, heater for example adhesion with hotmelt-, epoxy- and polyurethane solution Cutting with shaping, sawing, hot-wire, she Length [mm] Thickness [min. and max. width [mm]] Compressive strength [kPa] 3.010 2,8 - 45 460 - 900 ≥ 300 3.010 2,8 - 45 500 - 600 ≥ 500 2,8 - 45 500 - 600 ≥ 700 Width variations can be manufactured in 5 mm in (, 600, 605, 610 mm,) Length writations can be manufactured in 10 mm in (, 2090, 3000, 3010 mm,)	weak & diluted acids / bitumen / lime / cement / gypsum / sandhomogeneous, with close cells, pressure resistant, elastic; hydrophobic, non-rotting, non-aging, not ultraviolet-consistent; Machining of XPS with milling cutters, saws, heated filaments.for example adhesion with hotmelt-, epoxy- and polyurethane solution adhesive without soCutting with shaping, sawing, hot-wire, shearingLength [mm]Thickness [mm]min. and max. width [mm]Compressive strength [kPa]Tensile strength [kPa]2,8 - 45460 - 9002 002 002,8 - 45460 - 9002 002 002 00Width variations can be manufactured in 5 mm increments. (, 600, 605, 610 mm,)Length variations can be manufactured in 10 mm increments. (, 2090, 3000, 3010 mm,)	weak & diluted acids / bitumen / lime / cement / gypsum / sandhomogeneous, with close cells, pressure resistant, elastic; hydrophobic, non-rotting, non-aging, not ultraviolet-consistent; Machining of XPS with milling cutters, saws, heated filaments.for example adhesion with hotmelt-, epoxy- and polyurethane solution adhesive without solventsCutting with shaping, sawing, hot-wire, shearer cutting with shaping, sawing, hot-wire, shearerThickness [mm]Thickness [mm]Thickness [mm]2,8-45460 - 9002 3002 6000,035Out of the strength (kPa]Cutting with valor of the strength (kPa]Thermal (mm]Compressive strength (kPa]Tensile strength (kPa]Out of the strength (kPa]Out of the strength (kPa]2,8-45460 - 9002 3002 6000,037Out of the strength (kPa]Vidt to strength (kPa]Compressive strength (kPa]2,8 - 45460 - 6002 6000,037Out of the strength (kPa]Cutting with value solution to strength (kPa]Compressive strength (kPa]2,8 - 45	weak & diluted acids / bitumen / lime / cement / gypsum / sandhomogeneous, with close cells, pressure resistant, elastic; hydrophobic, non-rotting, non-aging, not ultraviolet-consistent; Machining of XPS with milling cutters, saws, heated filaments.for example adhesion with hotmelt-, epoxy- and polyurethane solution adhesive without solventsCutting with shaping, sawing, hot-wire, shearength [mm]Thickness [mm]min. and max. width [mm]Compressive strength [kPa]Thermal conductivity [W/(m · K)]2,8 - 45460 - 900> 300> 6000,035Width variations can be maufactured in 5 mm increments. (, 600, 605, 610 mm,)Width variations can be maufactured in 10 mm increments. (, 2090, 3000, 3010 mm,)	

