

TDS Technical Data Sheet



Specifications	Method	Unit	Value
Thickness		mm	50
Length		mm	1200
Width		mm	600
Density (Skin to Skin)	approx.	kg/m ³	33

Properties (average values)

Dimensional stability	EN 1604	< 5 % DS(70,90)
-----------------------	---------	-----------------

Compression Strength

Short term	EN ISO 29469	300 kPa CS(10/Y)
Longterm (50 years, 2% creep deformation)	EN 1606	140 kPa CC(3,0/1,5/50)

Capillarity		0	
Water vapor permeability	EN ISO 10456	μ MU	150
Water absorption by diffusion	EN 12088	WD(V)	≤ 1 %
Freeze-thaw durability	EN 12091	FTCD	≤ 1 %
Water absorption during prolonged immersion	EN ISO 16535	WL(T)	≤ 0,7 %
Indoor air emission class		M1	

Thermal Conductivity	EN 12667	W/(mK)
20-30 mm		0,034
40-50 mm		0,033
60 mm		0,034
70-80 mm		0,035
100-150 mm		0,036

Thermal expansion		mm/(mK)	0.07
Flammability rating	EN 13501-1		NPD
Operating temperature	EN ISO 18097	°C	-150 – +75
Recycability		100%	

The above given information should be considered as a guide but cannot be regarded as an engagement from our side