

**TECHNICAL PROPERTIES OF  
CLOSED CELL EXPANDED POLYETHYLENE - FOAM  
(USED IN ProTect FOAM LAMINATED BOARD)**

Physical Properties according ISO 7214:2007

Apparent Density ( ISO 545) Kg/m <sup>3</sup>	67
Tensile strength @ 23° C ( ISO 1926)kPa	
Lengthwise	860
Crosswise	580
Tensile elongation@ 23° C ( ISO 1926) %	
Lengthwise	210
Crosswise	180
Compression Stress / Stain ( ISO3386-1 )Kpa	
Deflection 10 %	49
Deflection 25 %	76
Deflection 40 %	110
Deflection 50 %	160
Compression Set, deflection 25% ( ISO 1856-C ) %	
0.5h after discharge	13
24h after discharge	4
Compression Set, deflection 50% ( ISO 1856-C ) %	
0.5h after discharge	36
24h after discharge	18
Thermal conductivity ( ISO 8301 ) W/mK	
At 10 °C	0.0357
At 40 °C	0.0376
Thermal Stability	
Max Temperature internal °C	100
Dimensional changes lengthwise and crosswise, max %	-5
Shore Hardness	
A ( ISO 868 )	20
0 ( ASTM D2240)	26
00 ( ASTM D2240)	62
Water absorption ( ISO 2896 ) vol %	≤ 1
Water vapour diffusion resistance index ( ISO 1663 ) μ	n.a.

The information given is based upon average values and is in no way intended as a warranty.

The purchaser shall be solely responsible for determining the suitability of the product for any particular application.