



PE Alveolit TA 4010

Crosslinked, 25 Kg/m³

Issue date: 09/02/2009

Properties	Status	Norm	Unit	Average	Min	Max
General						
Thickness	**	ISO-1923	mm	10,00	9,15	10,85
Area weight	**	Internal	g/m ²	250	210	290
Apparent density	**	ISO-845	kg/m ³	25,0	22,0	28,0
Tensile Strength @ 23°C						
lengthwise at break	F	ISO-1926	kPa	270	200	340
crosswise at break	F			180	140	220
Tensile Elongation @ 23°C						
lengthwise	F	ISO-1926	%	120	80	160
crosswise	F			110	80	140
Compression Stress/Strain, S						
deflection 25%	F	ISO-3386-1	kPa	37	26	48
deflection 40%	F			70	49	91
deflection 50%	F			100	70	130
Compression Set						
deflection 25%, 1/2h after discharge	F	ISO-1856-C	%	15	10	20
deflection 25%, 24h after discharge	F			10,4	7,3	13,5
Thermal Stability						
Max. Temperature	F	Internal	°C			100
Dimensional change, lengthwise and crosswise	F		%			-5
ISO 3795 - Flammability						
burning speed	P	ISO-3795	mm/min	N/A	100	N/A
Shore Hardness						
Shore A	F	ISO 868-1985		7	6	8
Shore 0	F	ASTM D2240		13	11	15
Shore 00	F			46	41	51
Water Absorption						
vol % water absorption		ISO 2896	%			1.0
Thermal Conductivity						
at 10°C	P	ISO 8301	W/mK	0.034		

Flammability: <100 mm/min FMVSS 302
<100 mm/min ISO 3795

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