

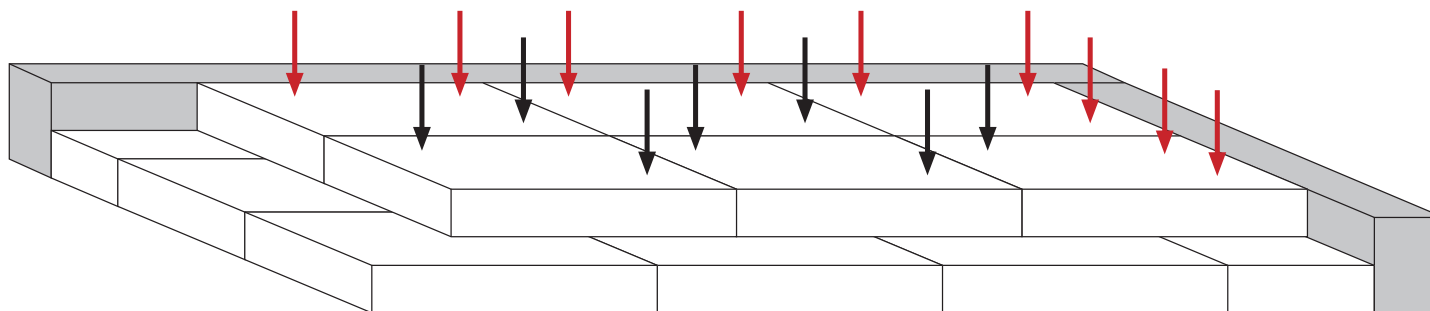
# Suspension of Insulation Under Self-Supporting Ground Slab:

Screw in a minimum of 2 insulation straps per board (1200x1200 mm), and only fasten to the board via the pipe screw on the top side of the insulation. (The screw must not rotate within the insulation material.)

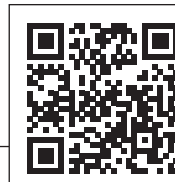
The suspension system is designed for use with EPS (expanded polystyrene) and is intended for insulation thicknesses where the thread securely grips the insulation - i.e., the thread must not be screwed entirely through the insulation, as it will then lose its hold (especially with thin insulation).

The insulation straps must be mounted diagonally on the boards at the  $\frac{1}{4}$ -section points, so they also grip the underlying boards. (See black arrows in pictogram.)

Along all edge zones, insulation straps must also be screwed in, so that all board sections are secured with at least two straps. (See red arrows in pictogram.)



Presentation movie



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Dansk Byggekomponent ApS develops and produces cost-efficient and serially-produced products for installation in building constructions within soil, concrete and sewage.

## Akulon® K224-G6

## PA6-GF30

30% Glass Reinforced

Print Date: 2019-04-11

Properties	Typical Data	Unit	Test Method
<b>Rheological properties</b> dry / cond			
Molding shrinkage (parallel)	0.3 / *	%	ISO 294-4
Molding shrinkage (normal)	0.9 / *	%	ISO 294-4
<b>Mechanical properties</b> dry / cond			
Tensile modulus	9500 / 6000	MPa	ISO 527-1/-2
Stress at break	180 / 110	MPa	ISO 527-1/-2
Strain at break	3.5 / 7	%	ISO 527-1/-2
Flexural modulus	8600 / -	MPa	ISO 178
Flexural strength	235 / -	MPa	ISO 178
Charpy impact strength (+23°C)	90 / 110	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	75 / 75	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / 25	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	11 / 11	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b> dry / cond			
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	207 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	220 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.2 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.7 / *	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
Burning Behav. at thickness h	HB / *	class	IEC 60695-11-10

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Properties	Typical Data	Unit	Test Method
Thickness tested	0.75 / *	mm	IEC 60695-11-10
Glow Wire Flammability Index GWFI	700 / -	°C	IEC 60695-2-12
GWFI (Thickness (1) tested)	2 / -	mm	IEC 60695-2-12
Glow Wire Flammability Index GWFI	700 / -	°C	IEC 60695-2-12
GWFI (Thickness (2) tested)	1.5 / -	mm	IEC 60695-2-12
Glow Wire Ignition Temperature GWIT	725 / -	°C	IEC 60695-2-13
GWIT (Thickness (1) tested)	2 / -	mm	IEC 60695-2-13
Glow Wire Ignition Temperature GWIT	725 / -	°C	IEC 60695-2-13
GWIT (Thickness (2) tested)	1.5 / -	mm	IEC 60695-2-13

### Electrical properties

dry / cond

Relative permittivity (100Hz)	3.5 / 20	-	IEC 60250
Relative permittivity (1 MHz)	3.3 / 5	-	IEC 60250
Dissipation factor (100 Hz)	50 / 3000	E-4	IEC 60250
Dissipation factor (1 MHz)	150 / 1200	E-4	IEC 60250
Volume resistivity	1E13 / 1E11	Ohm*m	IEC 60093
Surface resistivity	* / 1E14	Ohm	IEC 60093
Electric strength	30 / 25	kV/mm	IEC 60243-1
Comparative tracking index	* / 600	V	IEC 60112

### Other properties

dry / cond

Water absorption	6.3 / *	%	Sim. to ISO 62
Humidity absorption	1.9 / *	%	Sim. to ISO 62
Density	1350 / -	kg/m <sup>3</sup>	ISO 1183

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