

## Technical Data:

## Anchor Knob Sheet

*High Density Polyethylene AKS in Thickness from 1.5 mm to 6.0 mm (Excluding lenght of anchors)*

Anchor Knob Sheet offers a "maximum-security " System for the protection of concret structures and elements against tha attack of agressive liquids or gases. This "state of the art" system offers many benefits, including:

- outstanding chemical resistance
- excellent weldability
- high resistance to mechanical damage
- low coefficient of friction
- long life / low maintenance

Properties	Test Method	Unit	Value	Frequency
Thickness variance 5 measurements across sheet width	ASTM D 5199	%	+ / - 10% Lowest individual reading	20 linear metre
Density	ASTM D 1505/D 792	g/ml	≥ 0,940	30 000kg
Carbon black content	ASTM D 1603	%	N/A	N/A
Carbon black dispersion	ASTM D 5596	Category	N/A	N/A
ESCR (NCTL)	ASTM D 5397	Hours	>300	per formulation
OIT	ASTM D 3895	Minutes	>100	per 90 000kg
Coefficient of linear expansion	ASTM E 831	cm/cm/degC	1.1 - 1.4E-4	per formulation
Length of knobs (nom)		mm	12	20 linear metre
Knobs per m2		#/m2	1230	fixed
Tensile properties	ASTM D 6693-04			200 linear metre
- yield stress *		Mpa	15 *	
- break stress *		Mpa	27 *	
- yield elongation *		%	12 *	
- break elongations *		%	700 *	
Shore hardness	DIN 53505	N/mm2	>50	per formulation
Tear resistance	ASTM D 1004	N/mm (t)	120	batch
Puncture resistance	ASTM D 4833	N/mm (t)	300	batch
Dimensional stability	ASTM D 1204	% change	< 2	per shift
Water absorption	ASTM D 570	%	0.009	per formulation
Fire Resistance Rating	UL-94		HB	per formulation

\*denotes measured on smooth portion of AKS or by moulding a smooth plaque for testing

For further information on this product, please contact us at the following adress:

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Technical data refers to average values, measured across the manufactured width of the sheet. This information is expressed as a guide and based on values measured in our laboratory as well as independent laboratories. The quoted values are based on specific resin properties and are subject to change without prior notice.