Principal's - Needle Punched Thermally Bonded Nonwoven Geotextiles / lkotex Ultra 01-01-2014

MECHANICAL PROPERTIES STANDARD STRATACHECK			STRATACHECK	STRATACHECK	IKOTEX	IKOTEX	EXPLANATION
U K TEST			**PLUS**	**SUPREME**	**TEST**	**ULTRA**	
Tensile Strength M/D EN ISO 10319 6.0 kN/m			8.0 kN/m	10.0 kN/rn	EN 29073-3	4.5 kN/m	The Higher the Better
Tensile Strength C/D EN ISO 10319 6.0 kN/m			8.0 kN/m	10.0 kN/m	EN 29073-3	4.4 kN/m	The Higher the Better
Elongation at Break M/D EN ISO 10319 40.00%			40.%	40.%	EN 29073-3	35.%	The Higher the Better
Elongation at Break C/0 EN ISO 10319 40.00%			45.%	45.%	EN 29073-3	45.%	The Higher the Better
C BR Puncture Resistance	EN ISO 12236	890N	1240N	1600N	EN ISO 12236	770N	The Higher the Better
Dynamic Cone Drop	EN 150 13433	40mm	34mm	28mm	EN ISO 13433	38mm	The Lower the Better
HYDRAULIC PROPERTIES							
Permeability	EN ISO 11058	120 1/m2/s	1101/m 2/s	106 Vm2/s	EN ISO 11058	75 1/m2/s	The Higher the Better
Average Mean Pore Size	EN ISO 12956	140p	130 p	110 p	EN ISO 12956	90p	Needs to be not less than 100p and not greater than 150p
PHYSICAL PROPERTIES							
Material Weight EN ISO 9863-1 80 gsm			100 gsm	110 gsm	EN 29073-1	100 gsm	Simply a Guide
Thickness under 2 kPa EN ISO 9864 0.80 mm			1.00 mm	1.15 mm	EN ISO 9863-1	0.55 mm	specifications are significantly more important

The C BR and the Dynamic Cone Drop indicates the amount of compaction the membrane can take. 850N or 45mm for a Light Vibrating Plate,

1200N plus or 38mm for a Heavy Vibrating Plate and 1600N plus or 30mm for a Sit-on Vibrating Road Roller

This type of Membrane, which is used as a catalyst to form a natural drain needs to have average mean pore sizes of not less than 100p and not greater than 150p

This enables the particles to bridge over the holes and not clog or silt up the Membrane without any risk of the Drainage becoming inaffective

Principals have used the Recognised Standard U K Tests as used by the Major European Manufacturers of this type of Membrane