

STABBUDTEX

High-quality, water-permeable woven for soil reinforcement

STABBUDTEX	50/50	80/80	100/50	100/100	120/120	150/50	150/150	200/50	200/100	200/200	300/50	
Mechanical properties (typical values)												
Tensile strength, kN/m (EN ISO 10319)	- MD - CMD	55 (-5) 88 (-8)	88 (-8) 88 (-8)	110 (-10) 55 (-5)	110 (-10) 110 (-10)	130 (-10) 130 (-10)	160 (-10) 55 (-5)	160 (-10) 160 (-10)	220 (-20) 55 (-5)	220 (-20) 110 (-10)	220 (-20) 220 (-20)	330 (-30) 55 (-5)
Strain at maximum strength, % (EN ISO 10319)	- MD - CMD	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)
Force at strain 2% (EN ISO 10319)	- MD - CMD	5 (-0) 5 (-0)	10 (-0) 10 (-0)	12 (-0) 5 (-0)	12 (-0) 12 (-0)	14 (-0) 14 (-0)	25 (-0) 5 (-0)	25 (-0) 25 (-0)	24 (-0) 5 (-0)	24 (-0) 10 (-0)	24 (-0) 24 (-0)	35 (-0) 5 (-0)
Force at strain 3% (EN ISO 10319)	- MD - CMD	10 (-0) 10 (-0)	15 (-0) 15 (-0)	20 (-0) 10 (-0)	20 (-0) 20 (-0)	24 (-0) 24 (-0)	40 (-0) 10 (-0)	40 (-0) 40 (-0)	40 (-0) 10 (-0)	40 (-0) 20 (-0)	40 (-0) 40 (-0)	60 (-0) 10 (-0)
Force at strain 5% (EN ISO 10319)	- MD - CMD	20 (-0) 20 (-0)	30 (-0) 30 (-0)	40 (-0) 20 (-0)	40 (-0) 40 (-0)	45 (-0) 45 (-0)	60 (-0) 20 (-0)	60 (-0) 60 (-0)	80 (-0) 20 (-0)	80 (-0) 40 (-0)	80 (-0) 80 (-0)	120 (-0) 20 (-0)
Dynamic perforation test (cone drop test), mm (IN ISO 13433)		9 (+0)	6 (+0)	7 (+0)	7 (+0)	7 (+0)	7 (+0)	8 (+0)	8 (+0)	10 (+0)	10 (+0)	10 (+0)
Static puncture, kN (EN ISO 12236)		7 (-0)	7 (-0)	8 (-0)	10 (-0)	11 (-0)	9,5 (-0)	11 (-0)	10 (-0)	15 (-0)	15 (-0)	9 (-0)
Characteristic opening size O90, mm (EN ISO 12956)		NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Water permeability normal to the plane without load, m/s (EN ISO 11058)		NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Physical properties												
Raw material	PET											
Roll width (standart), m	5,4											
Roll length (standart), m	50, 100											
Loading capacity (roll length -100 m, * - 300 m), m2	68040*	64800	57240	57240	50220*	54000	41040	43200	35640	27000	32640	
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Application</p> <ul style="list-style-type: none"> - for construction of embankments on soft soils, - in hydraulic engineering for construction of dams, wave breakers and quays, - for reinforcement of steep slopes and channels, - for construction of support structures or slopes with high steepness, - for reinforcement of soils with low bearing capacity </div> <div style="width: 30%; text-align: center;"> </div> <div style="width: 30%;"> <p>Features</p> <ol style="list-style-type: none"> 1. High tensile strength in conjunction with low strain 2. Low creep 3. High resistance to microorganisms as well as chemical and physical action </div> </div> <div style="margin-top: 10px;"> <p>STABBUDTEX is a geotextile produced by weaving (sometimes by warp knitting) of high modulus polyester yarns, which allow to achieve tensile strength 2000 kN/m at very low elongation. Maximum width of the fabric – up to 5,4 m.</p> </div>												
STABBUDTEX	300/100	400/50	400/100	500/50	500/100	600/50	600/100	800/50	800/100	1000/50	1000/100	
Mechanical properties (typical values)												
Tensile strength, kN/m (EN ISO 10319)	- MD - CMD	330 (-30) 110 (-10)	440 (-40) 55 (-5)	440 (-40) 110 (-10)	550 (-50) 55 (-5)	550 (-50) 110 (-10)	660 (-60) 55 (-5)	660 (-60) 110 (-10)	880 (-80) 55 (-5)	880 (-80) 110 (-10)	1100 (-100) 55 (-5)	1100 (-100) 110 (-10)
Strain at maximum strength, % (EN ISO 10319)	- MD - CMD	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)	10 (+2) 10 (+2)
Force at strain 2% (EN ISO 10319)	- MD - CMD	35 (-0) 10 (-0)	50 (-0) 5 (-0)	50 (-0) 10 (-0)	70 (-0) 5 (-0)	70 (-0) 10 (-0)	80 (-0) 5 (-0)	80 (-0) 10 (-0)	100 (-0) 5 (-0)	100 (-0) 10 (-0)	57 (-0) 13 (-0)	130 (-0) 10 (-0)
Force at strain 3% (EN ISO 10319)	- MD - CMD	60 (-0) 20 (-0)	80 (-0) 10 (-0)	80 (-0) 20 (-0)	110 (-0) 10 (-0)	110 (-0) 20 (-0)	130 (-0) 10 (-0)	130 (-0) 20 (-0)	160 (-0) 10 (-0)	160 (-0) 20 (-0)	88 (-0) 18 (-0)	200 (-0) 20 (-0)
Force at strain 5% (EN ISO 10319)	- MD - CMD	120 (-0) 40 (-0)	150 (-0) 20 (-0)	150 (-0) 40 (-0)	200 (-0) 20 (-0)	200 (-0) 40 (-0)	250 (-0) 20 (-0)	250 (-0) 40 (-0)	300 (-0) 20 (-0)	300 (-0) 40 (-0)	158 (-0) 28 (-0)	380 (-0) 40 (-0)
Dynamic perforation test (cone drop test), mm (IN ISO 13433)		10 (+0)	10 (+0)	10 (+0)	7 (+0)	6 (+0)	7 (+0)	7 (+0)	8 (+0)	8 (+0)	18 (+0)	8 (+0)
Static puncture, kN (EN ISO 12236)		11 (-0)	14 (-0)	14 (-0)	17 (-0)	19 (-0)	18 (-0)	21 (-0)	17 (-0)	19 (-0)	22 (-0)	28 (-0)
Characteristic opening size O90, mm (EN ISO 12956)		NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Water permeability normal to the plane without load, m/s (EN ISO 11058)		NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Physical properties												
Raw material	PET											
Roll width (standart), m	5,1											
Roll length (standart), m	50, 100											
Loading capacity (roll length -100 m), m2	28560	24480	20400	20400	18360	18360	13260	12240	12240	12240	12240	

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