



Geotechnical Products

JP GEOTEX are manufactured from high quality Polypropylene staple fibers. The fibers are mechanically bonded through needle-punching to form a strong, flexible and dimensionally stable fabric structure, with optimum pore sizes and high permeability. The geotextile is resistant to chemicals and biological organisms normally found in soils and are stabilized against degradation due to short-term exposure to ultraviolet radiation. JP GEOTEX conforms to the following property values.

TESTS / PROPERTIES	UNIT	ASTM METHOD	Obtained Value	Minimum Value
PHISICAL PROPERTIES				
Content		Polypropylene		
Mass per unit Area	GSM	ASTMD 5261	110	110
Thickness	mm	ASTMD 5199	1.2	1.3
Tensile strength - CD	KN/m	ASTMD 4595	7	7.2
Tensile strength - MD	KN/m	ASTMD 4595	4	4.3
Elongation @ Break	%	ASTMD 4595	50-95	50-95
Grab Tensile strength - CD	N	ASTMD 4632	410	415
Grab Tensile strength - MD	N	ASTMD 4632	250	254
CBR Puncture Resistance	N	ASTMD 6241	650	654
Tear strength	N	ASTMD 4533	145	149
HYDRAULIC PROPERTIES				
Permeability	Lt/M2/SEC	ASTMD 4491	250	253
AOS (Apparent Opening Size)	microns	ASTMD 4751	210	214
UV Resistance	%	ASTMD 4355	70	70
DIMENSIONS				
Roll Width	mtr	JP standard	2	2
Roll Length	mtr	JP standard	150	150
Roll Weight (For 2 metrs Width)	kg.	JP standard	34	34

Note: The above values are effective from 21 - 12 - 2021. The values are average roll values in which all the properties are having $\pm 10\%$ tolerances. Water Permeability, Elongations are having -30% tolerance and AOS have + 30%. The information given in this data sheet is based on tests conducted at our in-house laboratory and independent accredited laboratories. While the information is presented as a true and accurate representation of the attributes of the products to the best of our knowledge, no expressed or implied warranties are made and JEEVAN ECOTEX assumes no responsibility or liability with regard to the use of this information. The right to make periodic revisions of the specifications without prior notice is reserved.

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