

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

STANDARD PRODUCT RANGE OF Jeevan Ecotex

TESTS / PROPERTIES	ASTM METHOD	UNIT	PN 110	PN 120	PN 130	PN 140	PN 150	PN 180	PN 200	PN 220	PN 250	PN 285	PN 300	PN 350	PN 400	PN 500	PN 600	PN 650	PN 700	PN 800
PHYSICAL PROPERTIES																				
Content																				
Mass per unit Area	ASTMD 5261	GSM	110	120	130	140	150	180	200	220	250	285	300	350	400	500	600	650	700	800
Thickness	ASTMD 5199	mm	1.15	1.2	1.2	1.3	1.4	1.6	2.1	2.3	2.5	2.6	2.7	2.8	3	3.2	5.4	5.5	5.6	6
Tensile strength - CD	ASTMD 4595	KN/m	3.5	3.5	4	4.5	5	5.5	6	8	10	10	11	16	18	20	22	24	32	36
Tensile strength - MD	ASTMD 4595	KN/m	1.3	1.5	2	2.5	3	3.5	4	6	8	9	10	14	16	18	20	22	28	32
Elongation @ Break	ASTMD 4595	%	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95
TEAR STRENGTH	ASTMD 4533	N	100	115	120	125	135	170	210	230	270	300	320	340	400	590	640	660	680	800
Puncture Strength	ASTMD 6241	N	270	300	325	350	450	600	800	1200	1500	1600	1700	2200	2400	2600	3400	4000	4400	4800
HYDRAULIC PROPERTIES																				
Permeability	ASTMD 4491	Lt/M2/SEC	300	270	260	250	220	200	175	140	110	100	85	75	60	45	35	33	30	30
AOS (Apparent Opening Size)	ASTMD 4751	1-1,	250	240	230	220	160	180	140	110	90	85	80	<75	<75	<75	<75	<75	<75	<75
DIMENSIONS																				
Roll Width	JP standard	Mtr	225	200	200	175	175	175	175	175	100	100	100	80	70	50	45	45	40	40
Roll Length	JP standard	Mtr	5.3	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
Roll Weight	JP standard	KG	131.175	129.6	140.4	134.75	144.375	173.25	196	215.6	140	165.3	174	162.4	162.4	145	156.6	169.65	162.4	185.6

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.