

Jeevan Ecotex are manufactured from high quality Polypropylene 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	PPN 100	PPN 110	PPN 120	PPN 130	PPN 140	PPN 150	PPN 160	PPN 180	PPN 200	PPN 225	PPN 250	PPN 285	PPN 300	PPN 350	PPN 400	PPN 450	PPN 500	PPN 550	PPN 600	PPN 650	PPN 700	PPN 800	
PHYSICAL PROPERTIES											Type 3		Type 2		Type 1										
Mass per unit Area	AST MD 5261	GSM	100	110	120	130	140	150	160	180	200	225	250	285	300	350	400	450	500	550	600	650	700	800	
Thickness	ASTMD 5199	mm	1.1	1.15	1.2	1.3	1.4	1.5	1.7	1.9	2.1	2.3	2.5	2.6	2.7	2.9	3	3	3.2	3.2	3.5	5.1	5.4	6	
Tensile strength - CD	ASTMD 4595	KN/m	4	4.5	5	5.5	6	7	8	9	12.5	12.5	15	17	18	21	24	26	30	32	34	40	44	46	
Tensile strength - MD	ASTMD 4595	KN/m	3	4	4	4.5	5.5	6.5	7.5	8	10	11	13	14	16	19	22	22	25	28	30	32	34	40	
Elongation @ Break	ASTMD 4595	%	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-95	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75	50-75	
Grab Tensile strength - CD	AST MD 4632	N	200	200	205	240	300	350	400	500	550	650	750	900	900	1270	1350	1550	1770	1860	1950	2050	2100	2200	
Grab Tensile strength - MD	AST MD 4632	N	180	185	185	230	280	320	380	460	500	550	650	720	800	1050	1100	1200	1400	1575	1750	1850	1900	2000	
CBR Puncture Resistance	AST MD 6241	N	750	780	820	900	1000	1100	1350	1500	1750	2200	2450	2700	3200	3750	4100	4600	5100	5450	5800	6000	6200	6500	
Cone drope	EN ISO 13433-2006	mm	14	14	13	13	12	11	11	9	7	5	5	4	2	2	0	0	0	0	0		0	0	
Tear strength	AST MD 4533	N	130	145	140	155	170	190	240	300	340	375	400	425	450	475	520	625	715	785	850	875	915	925	
Puncture Strength	AST MD 4833	N	150	180	200	230	260	280	300	320	350	420	530	570	625	670	750	870	975	1050	1100	1150	1200	1400	
HYDRAULIC PROPERTIES																									
Permeability	AST MD 4491	Lt/M2/SEC	230	250	260	240	230	230	170	130	110	100	100	95	95	60	45	37	30	27	24	20	18	15	
AOS (Apparent Opening Size)	AST MD 4751	microns	220	210	200	200	160	130	110	90	85	80	80	75	<75	<75	<75	<75	<75	<75	<75	<75	<75	<75	
UV resistance	AST MD 4355	%	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	
DIMENSIONS																									
Roll Width	JP standard	mtr	5.4	5.4	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	
Roll Length	JP standard	mtr	220	220	220	220	175	175	175	175	175	175	120	100	100	80	70	60	50	50	50	50	50	40	
Roll Weight	JP standard	kg	118.8	130.7	142.6	154.4	134.8	144.38	154	176.4	196	220.5	168	165.3	174	162.4	162.4	156.6	145	159.5	174	188.5	203	185.6	

Note : Roll Width also available in 4 meter and 6 meter. 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