

GAYATRI POLYMERS & GEOSYNTHETICS

AN ISO 9001:2008 COMPANY

GEOTEXTILE

PP NON WOVEN NEEDLE PUNCHED

PHYSICAL PROPERTIES

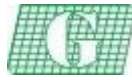
Properties	Standard	Unit	NW	NW	NW	NW	NW
			100	135	150	200	250
Mass / Unit Area	ASTM D 5261	gms /sq.mt	100	135	150	200	250
Tensile - Wide Width - MD	ASTM D 4595	kN/m	7	9	11	14	16
Tensile - Wide Width - CD	ASTM D 4595	kN/m	6.6	8	10	12	14
Elongation	ASTM D 4595	%	55	55	55	55	55
Grab Strenght - MD	ASTM D 4632	N	350	450	550	600	800
Grab Strenght - CD	ASTM D 4632	N	300	400	475	525	700
Grab Elongation	ASTM D 4632	%	60	60	60	60	60
Trapezoidal - MD	ASTM D 4533	N	150	200	250	300	350
Trapezoidal - CD	ASTM D 4533	N	130	175	220	265	300
Mullen Burst	ASTM D 3786	kPa	1000	1550	2050	2400	3000
Puncture Strength (CBR)	ASTM D 6241	N	1100	1300	1550	1940	2330
Dynamic Resistance (cone drop)	ASTM D 4751	mm	20	18	15	14	12
Opening Size	ASTM D 4491	microns	110	100	85	85	70
Permittivity	ASTM D 4491	Sec	2	1.7	1.5	1.34	1.2
Permeability	ASTM D 4491	m/s	0.004	0.0037	0.0034	0.0036	0.0035
Flow Rate - 10cm head	ASTM D 4491	l/sq.mt/s	195	170	125	95	90
UV Stability @500hrs	ASTM D 4355	%	70	70	70	70	70

28, Unique Trade Centre, Opp PM Regency Hotel, SayajiGunj, Vadodara-390005 Gujarat

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Properties	Standard	Unit	NW	NW	NW	NW	NW	NW
			280	300	350	400	450	500
Mass / Unit Area	ASTM D 5261	gms /sq.mt	280	300	350	400	450	500
Tensile - Wide Width - MD	ASTM D 4595	kN/m	19	21	24	28	33	38
Tensile - Wide Width - CD	ASTM D 4595	kN/m	17	19	22	26	30	34
Elongation	ASTM D 4595	%	55	55	55	55	55	55
Grab Strenght - MD	ASTM D 4632	N	850	900	950	1000	1100	1200
Grab Strenght - CD	ASTM D 4632	N	750	800	850	900	1000	1100
Grab Elongation	ASTM D 4632	%	60	60	60	60	60	60
Trapezoidal - MD	ASTM D 4533	N	400	450	500	550	650	750
Trapezoidal - CD	ASTM D 4533	N	350	400	450	500	600	700
Mullen Burst	ASTM D 3786	kPa	3450	3700	4000	4500	5000	5500
Puncture Strength (CBR)	ASTM D 6241	N	2700	2900	3100	3300	3600	4000
Dynamic Resistance (cone drop)	ASTM D 4751	mm	10	9	8	7	6	5
Opening Size	ASTM D 4491	microns	70	70	70	70	70	70
Permittivity	ASTM D 4491	Sec	1.06	0.98	0.76	0.7	0.06	0.5
Permeability	ASTM D 4491	m/s	0.0033	0.0032	0.0027	0.0026	0.0025	0.0024
Flow Rate - 10cm head	ASTM D 4491	l/sq.mt/s	85	80	70	65	55	50
UV Stability @500hrs	ASTM D 4355	%	70	70	70	70	70	70

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