

Needlepunched Nonwoven

Paving Fabric							Environmental Nonwoven							
Properties MARV ²	ASTM TEST	UNIT	AOL	AOM	AOH	AOE	Properties MARV ²	ASTM TEST	UNIT	600EX	800EX	1000EX	1200EX	1600EX
MECHANICAL PROPERTIES							MECHANICAL PROPERTIES							
Grab Tensile Strength	D4632	lbs (N)	90 (401)	105 (467)	120 (534)	150 (668)	Grab Tensile Strength	D4632	lbs (N)	165 (734)	205 (912)	270 (1202)	310 (1380)	425 (1891)
Elongation	D4632	%	50	50	50	50	Elongation	D4632	%	50	50	50	50	50
Trapezoid Tear	D4533	lbs (N)	40 (178)	45 (200)	50 (223)	55 (245)	Trapezoid Tear	D4533	lbs (N)	65 (289)	90 (401)	100 (445)	120 (534)	145 (645)
Puncture	D4833	lbs (N)	55 (245)	65 (289)	70 (312)	80 (356)	Puncture	D4833	lbs (N)	95 (423)	135 (601)	160 (712)	180 (801)	240 (1068)
CBR Puncture	D6241	lbs (N)	N/A	N/A	N/A	N/A	CBR Puncture	D6241	lbs (N)	425 (1891)	535 (2381)	725 (3225)	830 (3694)	1200 (5340)
Mullen Burst	D3786	psi (kPa)	185 (1275)	210 (1448)	230 (1586)	290 (1999)	Mullen Burst	D3786	psi (kPa)	315 (2172)	420 (2895)	500 (3447)	650 (4481)	800 (5515)
ENDURANCE PROPERTIES							ENDURANCE PROPERTIES							
UV Stability	D4355	% @ 500 hrs	70	70	70	70	UV Stability	D4355	% @ 500 hrs	70	70	70	70	70
ASPHALT RETENTION AND MELTING POINT							HYDRAULIC PROPERTIES							
Asphalt Retention	D6140	gal/yd ² (l/m ²)	0.25 (1.13)	0.25 (1.13)	0.25 (1.13)	0.30 (1.36)	Permittivity	D4491	sec ⁻¹	1.5	1.4	1.2	0.9	0.5
Melting Point	D276	F (C)	302 (150)	302 (150)	302 (150)	302 (150)	Water Flow Rate	D4491	gpm/ft ² (l/min/m ²)	110 (4482)	100 (4075)	85 (3463)	65 (2648)	40 (1630)
							Permeability	D4491	cm/sec	0.25	0.25	0.25	0.20	0.20
							Apparent Opening Size (AOS ³)	D4751	US Sieve Number (mm)	80 (0.180)	100 (0.150)	100 (0.150)	100 (0.150)	100 (0.150)
PHYSICAL PROPERTIES⁶							PHYSICAL PROPERTIES⁶							
Weight	D5261	oz/yd ² (g/m ²)	3.5 (119)	4.1 (140)	4.6 (156)	6 (203)	Weight	D5261	oz/yd ² (g/m ²)	6 (204)	8 (271)	10 (339)	12 (407)	16 (543)
Thickness	D5199	mils (mm)	50 ^T (1.27 ^T)	55 ^T (1.397 ^T)	60 ^T (1.524 ^T)	75 ^T (1.905 ^T)	Thickness	D5199	mils (mm)	75 ^T (1.905 ^T)	95 ^T (2.413 ^T)	110 ^T (2.794 ^T)	120 ^T (3.048 ^T)	175 ^T (4.445 ^T)
PACKAGING^{4,5}							PACKAGING^{4,5}							
			AOL	AOM	AOH	AOE				600EX	800EX	1000EX	1200EX	1600EX
Roll Width		ft (m)	10.5/12.5 (3.20/3.81)	10.5/12.5 (3.20/3.81)	10.5/12.5 (3.20/3.81)	10.5/12.5 (3.20/3.81)	Roll Width		ft (m)	12.5/15 (3.81/4.57)	12.5/15 (3.81/4.57)	12.5/15 (3.81/4.57)	12.5/15 (3.81/4.57)	12.5/15 (3.81/4.57)
Roll Area		yd ² (m ²)	420/500 (351/418)	420/500 (351/418)	420/500 (351/418)	420/500 (351/418)	Roll Area		yd ² (m ²)	500 (418)	500 (418)	500 (418)	500 (418)	500 (418)
Roll Weight		lbs (kg)	125/145 (57/66)	143/167 (65/76)	159/186 (72/84)	207/243 (94/110)	Roll Weight		lbs (kg)	250 (114)	320 (145)	400 (182)	480 (218)	572 (260)

1 - Contact your Thrace-LINQ distributor or representative for technical assistance and for products meeting AASHTO M288 specifications. Additional information can also be found at www.thracelinq.com.
 Methods and values may change without notice.
 2 - Minimum Average Roll Value. All values are MARV unless otherwise noted.
 3 - AOS values are reported as Maximum Average Roll Value.
 4 - Other products and roll sizes may be available.
 5 - Roll lengths, areas and weights may vary.
 6 - Physical properties reflect industry standards. Roll Data may reflect higher values than those listed above.
 T - Typical roll properties.