



Data sheet		DoP25086-003		ND Egg Crate 25086 - rolls	
Material Properties		Standard	Unit	Performance	
Core		-	-	HIPS	
Filter geotextile		-	-	-	
Separation film		-	-	-	
Separation geotextile		-	-	-	
Mechanical Properties (mean values)					
Compressive strength		hEN EN ISO 25619-2	kPa	150	
Tensile strength ¹ (MD/CMD) ²		hEN EN ISO 10319	kN/m	-	
CBR puncture resistance ¹		hEN EN ISO 12236	kN	-	
Dynamic performance (cone drop)		hEN EN ISO 13433	mm	-	
Physical Properties					
Construction height at 2 kPa		-	mm	25	
Dimple height at 2 kPa		-	mm	25	
Perforations per m ²		-	-	-	
Diameter perforations		-	mm	-	
Water reservoir dimples up		-	l/m ²	5	
Water reservoir dimples down		-	l/m ²	3.5	
Material dimensions (L x W) per roll		-	-	1.2 x 25	
Mass per unit area		-	g	912	
Surface area per roll		-	m ²	30	
Roll weight		-	kg	27	
Hydraulic Properties (mean values)					
Opening size O ₉₀ ¹		hEN EN ISO 12956	µm	-	
Water permeability H ₅₀ ¹		hEN EN ISO 11058	mm/s	-	
Drainage Capacity (mean values)³					
Vertical drainage / Wall - gradient i=1					
Surface load	Build-in-depth			Dimples up	Dimples down
20 kPa	2.0 m	hEN EN ISO 12958 ⁴	l/(s.m)	8.09	12.98
30 kPa	3.0 m	hEN EN ISO 12958 ⁴	l/(s.m)	-	-
50 kPa	5.0 m	hEN EN ISO 12958 ⁴	l/(s.m)	-	-
100 kPa	10.0 m	hEN EN ISO 12958 ⁴	l/(s.m)	-	-
200 kPa	Exceptional	hEN EN ISO 12958 ⁴	l/(s.m)	-	-
Horizontal drainage / Roof					
Fall = 1 % - Exceptional case					
≤ 10 kPa - extensive green roof		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
≤ 20 kPa - intensive green roof		hEN EN ISO 12958 ⁴	l/(s.m)	0.40	0.94
100 kPa - podium roof deck		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
200 kPa - parking roof deck		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
Fall = 1.5 %					
≤ 10 kPa - extensive green roof		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
≤ 20 kPa - intensive green roof		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
100 kPa - podium roof deck		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
200 kPa - parking roof deck		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
Fall = 2 %					
≤ 10 kPa - extensive green roof		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
≤ 20 kPa - intensive green roof		hEN EN ISO 12958 ⁴	l/(s.m)	0.75	1.54
100 kPa - podium roof deck		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
200 kPa - parking roof deck		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
Fall = 2.5 %					
≤ 10 kPa - extensive green roof		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
≤ 20 kPa - intensive green roof		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
100 kPa - podium roof deck		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
200 kPa - parking roof deck		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
Fall = 5 %					
≤ 10 kPa - extensive green roof		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
≤ 20 kPa - intensive green roof		hEN EN ISO 12958 ⁴	l/(s.m)	1.41	2.62
100 kPa - podium roof deck		hEN EN ISO 12958 ⁴	l/(s.m)	-	-
200 kPa - parking roof deck		hEN EN ISO 12958 ⁴	l/(s.m)	-	-

¹ Performance expressed of the filter/geotextile only

² MD = Machine direction / CMD = Cross Machine Direction

³ 45 degrees to MD

⁴ hEN EN ISO 12958 tested hard/soft with 110 g/m² geotextile as filter layer

The values correspond to average results obtained in our laboratories and outside institutes and are indicative. The right is reserved to make changes at any time without notice. Standard variations in mechanical properties of 15 % and in hydraulic properties of 20 % and in physical properties of 2 % are normal.

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