

MEL-DRAIN products for civil applications.

MEL-DRAIN is also approved by many U.S. state departments of transportation. Be assured that these states have rigorously tested MEL-DRAIN for all their waterproofing and water drainage applications.

MEL-DRAIN AASHTO-classified DOT product information is below, showing the different market applications and product solutions.

MEL-DRAIN PRODUCTS			7012	7015	7055
Physical Properties ¹	ASTM Test Method	Unit of Measure	Typical Values	Typical Values	Typical Values
FABRIC					
Material ²			PP, NPNW	PP, NPNW	PP, NPNW
Water Flow Rate	D 4491	gpm/ft ²	110	110	110
		Lpm/m ²	4,483	4,483	4,483
Grab Tensile Strength	D 4632	lbs	160	160	160
		N	712	712	712
CBR Puncture	D 6241	lbs	450	450	450
		kN	2	2	2
Apparent Opening Size	D 4751	sieve	70	70	70
		mm	0.210	0.210	0.210
Grab Elongation	D 4632	%	70	70	70
Permittivity	D 4491	sec ⁻¹	1.8	1.8	1.8
UV Resistance	D 4355	% / 500 Hrs	70	70	70
Survivability	AASHTO M 288-06	Class	2	2	2
CORE					
Material ²			HIPS	HIPS	HIPS
Thickness	D 5199	in	0.25	0.44	0.44
		mm	6.35	11	11
Compressive Strength	D 6364	psf	9,000	11,000	18,000
		kPa	431	527	862
	D 1621	psf	9,000	11,000	18,000
		kPa	431	527	862
Flow Rate ³	D 4716	gpm/ft	12.5	18	21
		Lpm/m	155	223	261
Perforated			No	No	No
Backing Film			No	No	No
COMPOSITE					
Recycled Content ⁴		%	>65	>70	>70
Roll Size		ft	4×50	4×50	4×50
Roll Weight		lbs	32	43	50

¹ Unless otherwise noted, all physical and performance properties listed are Typical Values as defined in ASTM D 4439. ² PP = Polypropylene; HIPS = High Impact Polystyrene; NPNW

= Needle-Punched Nonwoven; WM = Woven Monofilament ³ In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0. ⁴ Post-industrial recycled content by weight.