

INTRODUCTION

PRODRI™ GEO is a high density polyethylene (HDPE) studded membrane bonded to a special PP fabric. It is ideal for drainage in basements and underground walls.

PROPERTIES

Raw Material	HDPE
Color	Black

PHYSICAL / MECHANICAL CHARACTERISTICS

Dimple Height	ASTM D 6364	7.5 mm	0.295 in	±10%
Compressive Strength	ASTM D 1621	250 kN/m ²	5200 psf	±20%
Working Temperature	-30/+80 °C	-22/+176 °F		
Chemical Properties	Excellent chemical resistance, not pollutant, not toxic.			
Drain Flow Capacity				
2090 psf, RR, hydr.grad. i=0.1	ASTM D 4716	0.5 l/(m*s)	2.4 gal/(ft*min)	±20%
2090 psf, RR, hydr.grad. i=1	ASTM D 4716	2.0 l/(m*s)	9.7 gal/(ft*min)	±20%
3760 psf, RR, hydr.grad. i=0.1	ASTM D 4716	0.3 l/(m*s)	1.4 gal/(ft*min)	±20%
3760 psf, RR, hydr.grad. i=1	ASTM D 4716	1.1 l/(m*s)	5.1 gal/(ft*min)	±20%

DIMENSIONAL CHARACTERISTICS

Roll Width	FLAT TAB*	1.22 m	4 ft	±1%
Roll Width	FLAT TAB	1.83 m	6 ft	±1%
Roll Width	FLAT TAB	2.44 m	8 ft	±1%
Roll Length		15.24 m	50 ft	±3%

* It can be 50% with and 50% without flat tab. Other sizes may be available upon request.

FABRIC PROPERTIES

Permittivity	ASTM D 4491	0.7 sec ⁻¹	
Water Flow Rate	ASTM D 4491	3485 L/(min*m ²)	85 gal/(min*ft ²)
Puncture Strength	ASTM D 4833	150 N	34 lb
AOS Opening Size	ASTM D 4751	0.25 mm	60 US Sieve
Grab Tensile Strength	ASTM D 4632	533 N	120 lb

CLASSIFICATION

CCMC: 14053-R

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