

7101 Series Sheet Drain

7101 Series prefabricated drains are constructed using a formed polystyrene drainage core with a nonwoven filter fabric bonded to one side. The filter fabric is bonded to each dimple to prevent soil intrusion into the flow channels while allowing water to freely enter the drain core from one side.

PROPERTY	TEST METHOD	ENGLISH	METRIC
Fabric			
Material ¹		PP	PP
Water Flow Rate	ASTM D4491	165 gpm/ft²	6724 Lpm/m²
Grab Tensile Strength	ASTM D4632	100 lbs	0.445 kN
CBR Puncture Resistance	ASTM D6241	275 lbs	1.22 kN
Apparent Opening Size	ASTM D4571	70 US Std. Sieve	0.210 mm
Grab Elongation	ASTM D4632	70 %	70 %
UV Resistance	ASTM D4355	70 % @ 500 hrs	70 % @ 500 hrs
Core			
Material ¹		PP/HIPS	PP/HIPS
Thickness	ASTM D1777	0.44 in	11 mm
Compressive Strength	ASTM D1621	15000 lbs/ft²	718 kPa
Flow Rate ²	ASTM D4716	17 gpm/ft	211 Lpm/m

¹ PP = Polypropylene; HIPS = High Impact Polystyrene

² In-plane flow rate measured at 3,600 psf (172 kPa) compressive load and a hydraulic gradient of 1.0.