7121 Series Sheet Drains

7121 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.

7121 Series Sheet Drains provide additional protection for soft waterproofing membranes. The high-strength polymeric film is bonded to the flat side of the drainage core to prevent membrane intrusion into the back of the dimple.

PROPERTY	TEST METHOD	ENGLISH	METRIC
Fabric			
Material [1]		**PP**	**PP**
Water Flow Rate	ASTM D4491	**165** gpm/ft^2	**6724** Lpm/m^2
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. Sleve	**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/ft^2	**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.