GeoFilter GN42 Product Data

Geostar nonwoven filter fabrics are proudly made in the USA and are composed of 100% polypropylene staple fibers that are needle-punched and formed into a random network for dimensional stability. They resist UV deterioration, rotting, biological degradation, and naturally encountered basics and acids.

Property	Unit	Test Method	GeoFilter GN42
Weight	(oz/yd^2) / (g/m^2)	ASTM D5261	4.2 / 143
Grab Tensile	lbs / kN	ASTM D4632	120 / 0.553
Grab Elongation	%	ASTM D4632	50
Trapezoid Tear	lbs / kN	ASTM D4533	50 / 0.222
CBR Puncture Resistance	lbs / kN	ASTM D6241	340 / 1.512
Permitivity*	sec^{-1}	ASTM D4491	1.70
Water Flow*	(gpm/ft^2) / (1/min/m^2)	ASTM D4491	135 / 5500
A.O.S.*	U.S. Sieve / mm	ASTM D4751	70 / 0.212
U.V. Resistance	%/hrs	ASTM D4355	70/500
Asphalt Retention	gal /yd^2	-	-
Melting Point	°F (°C)	-	-

* At the time of manufacturing. Handling, storage, and shipping may change these properties.

AASHTO	
M288 Survivability Class	3
M288 Application2	S/F

Packaging	
Roll Dimensions (FT)	12.5 x 360 15 x 360
Square Yards/Roll	500/600
Estimated Roll Weight	152/180

Updated as of January 2024