

GeoFilter GN100 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 GN100
Weight	(oz/yd ²) / (g/m ²)	ASTM D5261	10.0 / 339
Grab Tensile	lbs / kN	ASTM D4632	250 / 1.112
Grab Elongation	%	ASTM D4632	50
Trapezoid Tear	lbs / kN	ASTM D4533	100 / 0.444
CBR Puncture Resistance	lbs / kN	ASTM D6241	700 / 3.113
Permittivity*	sec ⁻¹	ASTM D4491	1.20
Water Flow*	(gpm/ft ²) / (l/min/m ²)	ASTM D4491	80 / 3251
A.O.S.*	U.S. Sieve / mm	ASTM D4751	100 / 0.150
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	1
M288 Application2	SP,ST, D, E

Packaging

Roll Dimensions (FT)	12.5 x 360 15 x 300
Square Yards/Roll	500
Estimated Roll Weight	320

Updated as of January 2024

Disclaimer: This Product Data Sheet is the sole and exclusive property of Geostar Technologies LLC ("Geostar"). The Product Data Sheet shall not be reproduced, disseminated, or otherwise used in any way, except in connection with the purchase of Geostar HP Products (including, but not limited to the HP product line), without the express written consent of Geostar. Geostar assumes no liability for the accuracy or completeness of this information or for the ultimate use by the purchaser. Geostar disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.