

GeoFilter GN80 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 GN80
Weight	(oz/yd ²) / (g/m ²)	ASTM D5261	8.0 / 271
Grab Tensile	lbs / kN	ASTM D4632	205 / 0.911
Grab Elongation	%	ASTM D4632	50
Trapezoid Tear	lbs / kN	ASTM D4533	85 / 0.378
CBR Puncture Resistance	lbs / kN	ASTM D6241	535 / 2.370
Permittivity*	sec ⁻¹	ASTM D4491	1.40
Water Flow*	(gpm/ft ²) / (l/min/m ²)	ASTM D4491	95 / 3870
A.O.S.*	U.S. Sieve / mm	ASTM D4751	80 / 0.180
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

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