

GeoFilter GW40 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 GW40
Weight	(oz/yd ²) / (g/m ²)	ASTM D5261	4.0 / 136
Grab Tensile	lbs / kN	ASTM D4632	200 / 0.900
Grab Elongation	%	ASTM D4632	15
Trapezoid Tear	lbs / kN	ASTM D4533	75 / 0.33
CBR Puncture Resistance	lbs / kN	ASTM D6241	700 / 3.12
Permittivity*	sec ⁻¹	ASTM D4491	0.05
Water Flow*	(gpm/ft ²) / (l/min/m ²)	ASTM D4491	5 / 2031
A.O.S.*	U.S. Sieve / mm	ASTM D4751	40 / 0.43
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 -

Packaging

Roll Dimensions (FT) 12.5 x 432
 15 x 360
 17.5 x 309

Square Yards/Roll 600

Estimated Roll Weight 195

Updated as of January 2024

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