

GeoFilter GW40E 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 GW40E
Weight	(oz/yd ²) / (g/m ²)	ASTM D5261	5.6 / 190
Grab Tensile	lbs / kN	ASTM D4632	365 x 200 / 1.62 x 0.89
Grab Elongation	%	ASTM D4632	15
Trapezoid Tear	lbs / kN	ASTM D4533	115 x 75 / 0.51 x 0.33
CBR Puncture Resistance	lbs / kN	ASTM D6241	675 / 3.00
Permittivity*	sec ⁻¹	ASTM D4491	2.10
Water Flow*	(gpm/ft ²) / (l/min/m ²)	ASTM D4491	145 / 5907
A.O.S.*	U.S. Sieve / mm	ASTM D4751	40 / 0.425
U.V. Resistance	%/hrs	ASTM D4355	90/500
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 300
Square Yards/Roll	417
Estimated Roll Weight	150

Updated as of January 2024

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