Geostar Technologies LLC
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GeoFilter GW63 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 GW63
Weight	(oz/yd^2) / (g/m^2)	ASTM D5261	6.3 / 214
Grab Tensile	lbs / kN	ASTM D4632	315 / 1.4
Grab Elongation	%	ASTM D4632	15
Trapezoid Tear	lbs / kN	ASTM D4533	120 / 0.533
CBR Puncture Resistance	lbs / kN	ASTM D6241	1000 / 4.45
Permitivity*	sec^{-1}	ASTM D4491	0.05
Water Flow*	(gpm/ft^2) / $(1/min/m^2)$	ASTM D4491	4 / 1631
A.O.S.*	U.S. Sieve / mm	ASTM D4751	40 / 0.425
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	ST, SP

Packaging	
Roll Dimensions (FT)	12.5 x 432 15 x 360 17.5 x 309
Square Yards/Roll	500/600
Estimated Roll Weight	210/250

Updated as of January 2024