



Stabilenka® 300.45

Data Sheet

Earthworks and Foundations

Stabilenka® is a woven geotextile comprised of high tenacity polyester yarns woven into a stable network such that the yarns retain their relative positions. The geotextile is inert to biological degradation and naturally encountered chemicals, alkalis, and acids. Stabilenka® geotextiles have been developed to reinforce steepened slopes, embankments over soft soils, and landfill liners. Stabilenka® woven textiles are produced at HUESKER's manufacturing facility that has achieved iso 9001 certification for its systematic approach to quality in development, manufacture, inspection, sales and application support of geosynthetics.

Physical Properties of Stabilenka® 300.45

PROPERTY	TEST METHOD	ENGLISH units ¹	SI units ¹
Mass/UnitArea	ASTM D-5261	16.5 oz/yd ²	560 g/m ²
Wide Width Tensile Strength			
Machine Direction (MD)	ASTM D-4595	1713 lb/in (20,550 lb/ft)	300 kN/m
Cross Machine Direction (CMD)	ASTM D-4595	257 lb/in (3,082 lb/ft)	45 kN/m
TensileStrength @ 5%(MD)	ASTM D-4595	856 lb/in (10,275 lb/ft)	150kN/m
Elongationat Ultimate Strength(MD)	ASTM D-4595	10%	10%
ApparentOpeningSize(AOS)	ASTM D-4751	40 US sieve	0.425 mm
Long Term Design Strength*(MD)			
Sand	GRI-GT7	864 lb/in (10,368 lb/ft)	151 kN/m

¹ MARV-Minimum average roll values are based on a 95% confidence level. MD-Machine Direction CMD-Cross Machine Direction

Standard Roll Size: 16.41 ft (5.0 m) wide x 984.3 ft (300 m) long = 1,794 yd² (1,500 m²)
Weight (includes core) = 1952 lbs. (885 kg)

Each roll of Stabilenka® delivered to the project site is labeled by HUESKER with a roll label that indicates manufacturer's name, product identification, lot number, roll number and roll dimensions. All rolls of Stabilenka® are encased in a sturdy polyethylene wrap to shield the fabric from rain, dirt, dust and ultraviolet light. Contact HUESKER for information on our product warranty.

