Engineering with Geosynthetics



Fornit 60 is comprised of polypropylene yarns and has been developed to stabilize poor soils by providing tensile reinforcement and soil separation. They confine and strengthen road base aggregate thereby reducing the required base thickness. Fornit 60 is easy to install and resistant to freeze-thaw conditions, soil chemicals and ultra-violet exposure. Fornit 60 is produced in Huesker's ISO 9001 certified facility.

Physical Properties of Fornit[®] 60

PROPERTY	TEST METHOD	ENGLISH units ¹	SI units ¹
Mass/Unit Area	ASTM D-5261	11.8 oz/yd ²	400 g/m ²
Aperture Size	Measured	0.6 inch	15 mm
Ultimate Wide Width Tensile Strength			
Machine Direction (MD)	ASTM D-6637	3,288 lb/ft	54 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	4,452 lb/ft	65 kN/m
Elongation at Break	ASTM D-6637	6%	6%
Wide Width Tensile Strength @ 2%			
Machine Direction (MD)	ASTM D-6637	1,233 lb/ft	18 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	1,644 lb/ft	24 kN/m
Wide Width Tensile Strength @ 5%			
Machine Direction (MD)	ASTM D-6637	2,740 lb/ft	40 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	3,425 lb/ft	50 kN/m
Tensile Modulus @2%			
Machine Direction (MD)	ASTM D-6637	61,650 lb/ft	900 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	82,200 lb/ft	1,200 kN/m
Tensile Modulus @ 5%			
Machine Direction (MD)	ASTM D-6637	54,800 lb/ft	800 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	68,500 lb/ft	1,000 kN/m

¹ MARV – Minimum average roll values are based on a 95% confidence level.

Standard Roll Size: 17.06 ft (5.2 m) wide x 328.1 ft (100 m) long = 622 yd² (520 m²) Weight: 650 lb/roll (295kg)

Each roll of Fornit 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 Fornit are encased in a sturdy polyethylene wrap to shield the product from rain, dirt, dust and ultraviolet light. Contact Huesker[®] for information on our material warranty.

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