

FORNIT[®] 40/40 GEOGRID

FORNIT 40/40 IS COMPRISED OF POLYPROPYLENE YARNS, CRAFTED INTO A STABLE, INTERLOCKING PATTERN AND THEN COATED FOR PROTECTION FROM INSTALLATION DAMAGE. THEY ARE EASY TO INSTALL AND RESISTANT TO FREEZE-THAW CONDITIONS, SOIL CHEMICALS AND ULTRA-VIOLET EXPOSURE. FORNIT 40/40 GEOGRID 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 GEOGRIDS 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.

PROPERTY	TEST METHOD	ENGLISH units ¹	SI units ¹
Mass/Unit Area	ASTM D-5261	11 oz/yd ²	375 g/m ²
Aperture Size	Measured	1.5 x 1.5 inch	40 x 40 mm
Wide Width Tensile Strength			
Machine Direction (MD)	ASTM D-6637	2,740 lb/ft	40 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	2,740 lb/ft	40 kN/m
Elongation at Break	ASTM D-6637	6 %	6 %
Tensile Strength @ 2%			
Machine Direction (MD)	ASTM D-6637	1030 lb/ft	15 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	1030 lb/ft	15 kN/m
Tensile Strength @ 5%			
Machine Direction (MD)	ASTM D-6637	2,190 lb/ft	32 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	2,190 lb/ft	32 kN/m
Tensile Modulus @ 2%			
Machine Direction (MD)	ASTM D-6637	54,500 lb/ft	795 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	54,500 lb/ft	795 kN/m
Tensile Modulus @ 5%			
Machine Direction (MD)	ASTM D-6637	43,800 lb/ft	640 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	43,800 lb/ft	640 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: 430 lb/roll- 195 kg/roll

Each roll of Fornit geogrid 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.