

FORNIT[®] 30 GEOGRID

FORNIT 30 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 30 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.

PHYSICAL PROPERTIES OF FORNIT 30 GEOGRID

PROPERTY	TEST METHOD	ENGLISH units ¹	SI units ¹
Mass/Unit Area	ASTM D-5261	6.5 oz/yd ²	220 g/m ²
Aperture Size	Measured	0.6 x 0.6 inch	15 x 15 mm
Wide Width Tensile Strength			
Machine Direction (MD)	ASTM D-6637	1,700 lb/ft	25 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	2,200 lb/ft	32 kN/m
Elongation at Break	ASTM D-6637	6 %	6 %
Tensile Strength @ 2%			
Machine Direction (MD)	ASTM D-6637	411 lb/ft	6 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	617 lb/ft	9 kN/m
Tensile Strength @ 5%			
Machine Direction (MD)	ASTM D-6637	822 lb/ft	12 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	1,370 lb/ft	20 kN/m
Tensile Modulus @ 2%			
Machine Direction (MD)	ASTM D-6637	20,550 lb/ft	300 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	38,825 lb/ft	450 kN/m
Tensile Modulus @ 5%			
Machine Direction (MD)	ASTM D-6637	16,440 lb/ft	240 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	27,400 lb/ft	400 kN/m
Aperture Stability	COE Method	N/A	0.74 m-N/deg

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: 285 lb/roll- 130 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.



P.O. BOX 411529, CHARLOTTE, NC 28241-1529 • (704) 588-5500 • (800) 942-9418 • FAX (704) 588-5988

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