

FORNIT[®] 20 GEOGRID

FORNIT 20 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 20 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 20 GEOGRID

PROPERTY	TEST METHOD	ENGLISH units ¹	SI units ¹
Mass/Unit Area	ASTM D-5261	4.5 oz/yd ²	150 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	900 lb/ft	13 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	1,400 lb/ft	20 kN/m
Elongation at Break	ASTM D-6637	6 %	6 %
Tensile Strength @ 2%			
Machine Direction (MD)	ASTM D-6637	343 lb/ft	5 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	480 lb/ft	7 kN/m
Tensile Strength @ 5%			
Machine Direction (MD)	ASTM D-6637	620 lb/ft	9 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	960 lb/ft	14 kN/m
Tensile Modulus @ 2%			
Machine Direction (MD)	ASTM D-6637	17,150 lb/ft	250 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	24,000 lb/ft	350 kN/m
Tensile Modulus @ 5%			
Machine Direction (MD)	ASTM D-6637	12,400 lb/ft	180 kN/m
Cross Machine Direction (CMD)	ASTM D-6637	19,200 lb/ft	280 kN/m
Aperture Stability	COE Method	N/A	0.44 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: 208 lb/roll- 94 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.



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