



510 N. 25th Street, Blackwell, OK 74653
 P: 580-722-2100

Product Data Sheet

RX1200 Geogrid

Product Description: Integrally formed, Polypropylene Biaxial Geogrid made in Blackwell, Oklahoma

PROPERTY	PROCEDURE	U.S. Standard		Metric	
		MD	XMD	MD	XMD
Geometric¹					
Aperture Shape	Observed	Rectangular			
Aperture Dimensions	Measured	1.0 in	1.3 in	25 mm	33 mm
Rib Thickness	Measured	0.05 in	0.05 in	1.27 mm	1.27 mm
Mechanical^{2,3}					
Tensile Strength-Ultimate	ASTM D6637 Procedure B	1,310 lbs/ft	1,970 lbs/ft	19.2 kN/m	28.8 kN/m
Tensile Strength @2% Strain		410 lbf/ft	620 lbf/ft	6.0 kN/m	9.0 kN/m
Tensile Strength @5% Strain		810 lbf/ft	1,340 lbf/ft	11.8 kN/m	19.6 kN/m
Junction Efficiency ^{4,5}	ASTM D7737/D6637	93%			
Flexural Stiffness ⁶	ASTM D7748	750,000 mg-cm			
Aperture Stability ⁷	ASTM D7864	0.65 m-N/deg			
Durability					
UV Degradation Resistance ^{1,8,10}	ASTM D4355/D6637	100%			
Carbon Black Content	ASTM D1603	0.5%			
Chemical Damage Resistance ^{1,9,10}	EPA 9090A	100%			

Notes:

- All geometric properties are Nominal Values and may vary.
- All mechanical properties are based on the manufacturer's laboratory test results at 21 ± 1°C.
- Unless indicated otherwise, values shown are minimum average roll values determinate in accordance with ASTM D4759.
- Expressed as a comparison of ASTM D7737 strength to ASTM D6637 strength of the same sample.
- ASTM D7737 performed at 10% per minute strain rate.
- Using specimens 2 ribs wide with ribs transverse to the specimen cut flush with the exterior edges of the ribs in the direction of the specimen.
- Resistance to in-plane rotational moment of 20 kg-cm.
- 500 hour exposure.
- 120 day immersion testing.
- Expressed as a percentage of Ultimate Tensile Strength
- BOSTD America reserves the right to change this product specification at any time. The user is responsible to verify use/reference of the latest Product Data Sheet. Contact BOSTD America to obtain the latest Product Data Sheet.