

G200N G-Series Drainage Composite

G200N Drainage Composite is produced from a high compressive strength core with a Mirafi® 140NC nonwoven filter geotextile bonded to both sides.

| Core Mechanical Properties | Test Method | Unit | Typical Roll Value |
|---|-------------|-------------------------|--------------------|
| Thickness | ASTM D 1777 | mm (in) | 10.2 (0.4) |
| Compressive Strength | ASTM D 1621 | kPa (psf) | 861.3 (18,000) |
| Maximum Flow Rate ¹ | ASTM D 4716 | l/min/m (gal/min/ft) | 260 (21) |
| Installed Vertically Flow Rate ² | ASTM D 4716 | l/min/m (gal/min/ft) | 155 (12.5) |
| Installed Horizontally Flow Rate ³ | ASTM D 4716 | l/min/m (gal/min/ft) | 47 (3.8) |

¹ In plane flow rate at 173 kPa (3600 psf) with a gradient of 1.0

² Installed flow rate with soil overburden at a vertical gradient of 1.0

³ Installed flow rate with soil overburden at a horizontal gradient of 0.05

| Geotextile Mechanical Properties Mirafi® 140NC | Test Method | Unit | Typical Roll Value | |
|---|-------------|--|--------------------|-----------|
| | | | MD | CD |
| Grab Tensile Strength | ASTM D 4632 | N (lbs) | 494 (111) | 494 (111) |
| CBR Puncture Strength | ASTM D 6241 | N (lbs) | 1500 (337) | |
| Apparent Opening Size (AOS) | ASTM D 4751 | mm (U.S. Sieve) | 0.21 (70) | |
| Permittivity | ASTM D 4491 | sec ⁻¹ | 1.9 | |
| Flow Rate | ASTM D 4491 | l/min/m ² (gal/min/ft ²) | 5704 (140) | |

| Physical Properties | Unit | Typical Value |
|-------------------------------------|-----------------------------------|--------------------------|
| Roll Dimensions (width x length) | m (ft) | 1.2 x 15.2 (4.0 x 50) |
| Roll Area | m ² (ft ²) | 18.6 (200) |
| Estimated Roll Weight | kg (lb) | 25 (55) |

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