



Mirafi® G100NC Drainage Composite

G100NC Drainage Composite is produced from a high compressive strength polymer core with an AASHTO M288 Class 2 nonwoven with elongation > 50% filter geotextile bonded to one side.

TenCate Geosynthetics Americas Laboratories are accredited by Geosynthetic Accreditation Institute – Laboratory Accreditation Program ([GAI-LAP](#)).

| CORE MECHANICAL PROPERTIES | TEST METHOD | UNIT | TYPICAL ROLL VALUE | |
|--------------------------------|-------------|----------------------|--------------------|--|
| Thickness | ASTM D1777 | in (mm) | 0.4 (10.2) | |
| Compressive Strength | ASTM D1621 | psf (kPa) | 18,000 (862) | |
| Maximum Flow rate ¹ | ASTM D4716 | gal/min/ft (l/min/m) | 21 (261) | |

| GEOTEXTILE MECHANICAL PROPERTIES AASHTO M288 CLASS 2 NONWOVEN | TEST METHOD | UNIT | MINIMUM AVERAGE ROLL VALUE | |
|---|-------------|-----------------|----------------------------|-----------|
| | | | MD | CD |
| Grab Tensile Strength | ASTM D4632 | lbs (N) | 160 (712) | 160 (712) |
| CBR Puncture Strength | ASTM D6241 | lbs (N) | 410 (1825) | |
| Apparent Opening Size (AOS) | D4751 | U.S. Sieve (mm) | 70 (0.212) | |

| | | | MINIMUM ROLL VALUE | |
|--------------|-------|---|--------------------|--|
| Permittivity | D4491 | sec ⁻¹ | 1.5 | |
| Flow Rate | D4491 | gal/min/ft ² (l/min/m ²) | 110 (4481) | |

| PHYSICAL PROPERTIES | UNIT | TYPICAL ROLL VALUE |
|----------------------------------|-----------------------------------|---------------------|
| Roll Dimensions (width x length) | ft (m) | 4 x 50 (1.2 x 15.2) |
| Roll Area | ft ² (m ²) | 200 (18.6) |
| Estimated Roll Weight | lb (kg) | 50 (23) |
| Label Roll Color | | White |

¹ In- plane flow rate measured at 172 kPa (3600 psf) compressive load and a gradient of 1.0

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