



Mirafi[®] HP665

Mirafi[®] HP665 geotextile is composed of high-tenacity polypropylene yarns, which are woven into a network such that the yarns retain their relative position. Mirafi[®] HP665 geotextile is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids.

| Mechanical Properties | Test Method | Unit | Typical Value | |
|------------------------------|-------------|--|---------------|------------|
| | | | MD | CD |
| Grab Tensile Strength | ASTM D 4632 | N (lbs) | 3115 (700) | 3827 (700) |
| Grab Tensile Elongation | ASTM D 4632 | % | 25 | 25 |
| Trapezoid Tear Strength | ASTM D 4533 | N (lbs) | 1157 (260) | 1825 (410) |
| Mullen Burst Strength | ASTM D 3786 | kPa (psi) | 8268 (1200) | |
| Puncture Strength | ASTM D 4833 | N (lbs) | 1357 (305) | |
| Flow Rate | ASTM D 4491 | l/min/m ² (gal/min/ft ²) | 1222 (30) | |
| Permeability | ASTM D 4491 | cm/sec | 0.07 | |
| Permittivity | ASTM D 4491 | sec ⁻¹ | 0.37 | |
| Apparent Opening Size (AOS) | ASTM D 4751 | mm (U.S. Sieve) | 0.30 (50) | |
| UV Resistance (at 500 hours) | ASTM D 4355 | % strength retained | 70 | |

| Physical Properties | Test Method | Unit | Typical Value |
|----------------------------------|-------------|--|---------------------|
| Mass/Unit Area | ASTM D 5261 | g/m ² (oz/yd ²) | 509 (16.4) |
| Roll Dimensions (width x length) | -- | m (ft) | 4.5 (15) x 91 (300) |
| Roll Area | -- | m ² (yd ²) | 418 (500) |
| Estimated Roll Weight | --- | kg (lbs) | 253 (558) |

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