



# Comtrac® P 80/80

## Data Sheet

### Earthworks and Foundations

Comtrac® P 80/80 high strength geotextile fabric is comprised of high tenacity polypropylene yarns which are woven into a stable network such that the yarns retain their relative positions. The fabric is inert to biological degradation and naturally encountered chemicals, alkalis, and acids. Comtrac® P 80/80 high strength geotextile conforms to the minimum average roll values listed in the following table.

#### Physical Properties of Comtrac® P 80/80

PROPERTY	TEST METHOD	ENGLISH units <sup>1</sup> MDx CMD	SI units <sup>1</sup> MDx CMD
Ultimate Tensile Strength	ASTM D-4595	457 x 457 lb/in	80 x 80 kN/m
Tensile Strength @ 2%	ASTM D-4595	36 x 117 lb/in	6.3 x 20 kN/m
Tensile Strength @ 5%	ASTM D-4595	137 x 268 lb/in	24 x 47 kN/m
Mass Per Unit Area	ASTM D-5261	12.7 oz/yd <sup>2</sup>	430 g/m <sup>2</sup>
Grab Tensile Strength	ASTM D-4632	650 x 600 lb	2.9 x 2.7 kN
Grab Tensile Elongation	ASTM D-4632	20% x 15%	20% x 15%
Apparent Opening Size	ASTM D-4751	80 US Sieve	0.18 mm
Permittivity	ASTM D-4491	0.2 sec <sup>-1</sup>	0.2 sec <sup>-1</sup>
Flow Rate	ASTM D-4491	15 gal/min/ft <sup>2</sup>	612 l/min/m <sup>2</sup>
Puncture Strength	ASTM D-6241	1600 lb	7.1 kN
Trapezoidal Tear Strength	ASTM D-4533	220 x 220 lb	0.98 x 0.98
UV Resistance (500 HRS)	ASTM D-4355	80%	80%

<sup>1</sup> Minimum average roll values are based on a 95% confidence level. MD-Machine Direction CMD-Cross Machine Direction

Standard Roll Size: 5.2 m (CMD) x 100 m (MD) = 520 m<sup>2</sup>/roll

17.06 ft (CMD) x 328.1 ft (MD) = 622 yd<sup>2</sup>/roll

Roll Weight (includes core) = 510 lbs (230 kg)

*Each roll of Comtrac® 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 Comtrac® 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.*

