

**UNIDRY® 50 G/SQ M****unidry®**

## TECHNICAL DATA SHEET

**TYPICAL TOW PROPERTIES:**

	US Units (English)	SI Units (Metric)
Tensile strength	600 Ksi	4137 MPa
Tensile modulus	35 Msi	242 GPa
Elongation	1.5%	1.5%
Density	0.065 lb/in <sup>3</sup>	1.81 g/cm <sup>3</sup>
Filament Diameter	0.283 mils	7.2 µm
Yield	400 ft/lb	270 m/kg

Unidry® fabrics can be produced from DowAksa, Toray or Zoltek fibers, according to customer request.

**FABRIC PROPERTIES:**

	US Units (English)	SI Units (Metric)
Area weight	1.47 oz/yd <sup>2</sup> (+0.06oz/yd <sup>2</sup> )	50 g/m <sup>2</sup> (+ 2 g/m <sup>2</sup> )
Standard production widths	19.69 in (± 0.1181 in) 23.62 in (± 0.1181 in)	500 mm (± 3 mm) 600 mm (± 3 mm)
Maximum production width	23.62 in (± 0.1181 in)	600 mm (± 3 mm)
Laminate thickness	0.001969 in (± 2.5 %)	0.05 mm (± 2.5 %)
Bonding lay (76 dtex polyester scrim on 1 or 2 sides to keep together the carbon structure)	0.10 oz/yd <sup>2</sup>	3.5 g/m <sup>2</sup>

Core diameter	5.906 in	150 mm
Resin system compatibility	Epoxy Phenolic Polyester Vinyl BMI	

\* **Unidry**® ribbon of 600 mm width could be divided into 2-6 parts (with gaps between).

\*\* This information is based on our present state of knowledge. **UNICARBON**® cannot guarantee that the data listed above will be achieved with other processes.