

37-800WD 30K HIGH PERFORMANCE CARBON FIBRE

PRODUCT CONCEPT:

- **HIGH PERFORMANCE: TENSILE STR: 5.52GPa; TENSILE MOD: 255GPa**
- **EXCELLENT PROCESSABILITY**
- **HIGH STRAIN TO FAILURE 2.1%**
- **A 30K FIBRE WITH CONVENTIONAL 24K MUL (YIELD)**
- **CAPABILITY TO TAILOR THE FIBRE & SIZE TO MEET YOUR APPLICATION**

TARGET MARKETS:

- **DEVELOPED FOR HIGH STRAIN APPLICATIONS**
- **PRESSURE VESSELS TYPE III - LONG LIFE TYPE IV- HIGH PRESSURE**
- **PULTRUSIONS - CABLE AND TETHERS**
- **WIND ENERGY - SPAR CAPS**

TYPICAL FIBRE PROPERTIES

FIBRE PROPERTY	37-800WD 30K (SI Units)	37-800WD 30K (Imperial Units)
Tensile Strength	5.52 GPa	800 ksi
Tensile Modulus	255 GPa	37msi
Density	1.80 g/cm ³	0.0650 lb/in ³
MUL (Yield)	1675 mg/m	296 yds/lb
Elongation	2.1%	2.1%
X Sectional Area	.931mm ²	1.44 x10 ⁻³ in ²
Filament Count (k)	30	30
Filament Diameter (gm)	6	6

Contact Europe	Contact Japan	Contact USA
Howard Greenwood	Shinobu Doi	Martin Kokoshka
Tel:+44 2476 446931	Tel: + 81 3 5495 3048	Tel: +1 916 379 2100
E-mail:	E-mail:	E-mail:
howard.greenwood@mrcfac.com	doi_shinobu@mrc.co.jp	martin.kokoshka@mrcfac.com