
PYROFIL P330 SERIES

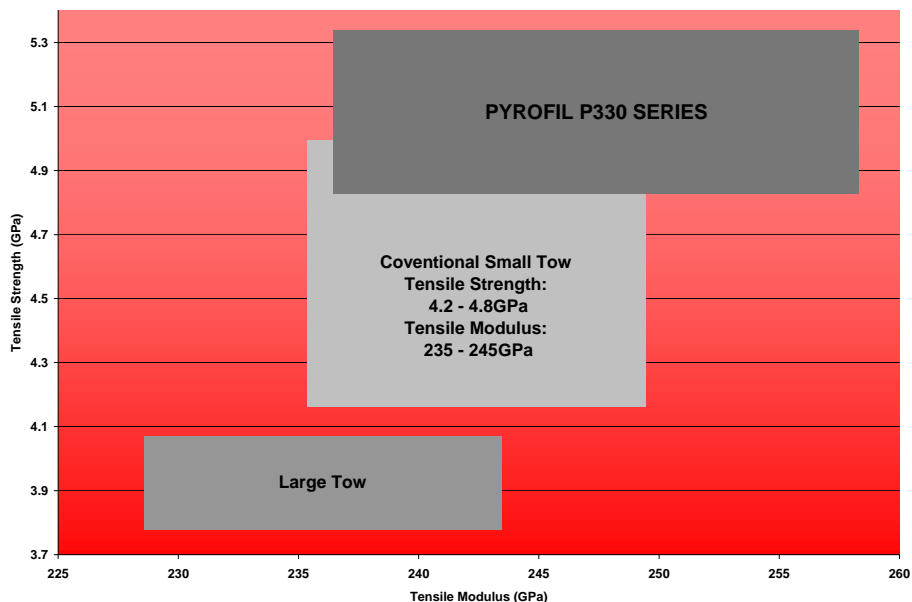
PREMIUM LARGE TOW CARBON FIBRE FOR INDUSTRIAL APPLICATIONS

LARGE FILAMENT COUNT WITH PROCESSABILITY AND PROPERTIES OF REGULAR TOW

PRODUCT CONCEPT:

- **GOOD PROCESSABILITY COMBINED WITH HIGH PERFORMANCE**
- **TIGHTLY CONTROLLED QUALITY**
- **HIGH PRODUCTIVITY DURING CONVERSION INTO LARGE COMPONENTS**
- **GOOD AVAILABILITY AND AFFORDABILITY**

POSITION OF P330 RANGE IN THE PAN FIBRE MARKET



TARGET MARKETS

- **FILAMENT WOUND PRESSURE VESSELS**
- **MULTI-AXIAL FABRIC FOR AUTOMOTIVE**
- **UD AND MULTI-AXIAL FABRICS FOR WIND ENERGY APPLICATIONS**
- **LARGE SCALE COMPOSITE PARTS WHERE PROPERTY TO PRICE RATIO IS CRITICAL**

PYROFIL TRH 50 60K

HIGH PERFORMANCE LARGE TOW

TYPICAL FIBRE PROPERTIES

FIBRE PROPERTY	TRH 50 60k (SI Units)	TRH 50 60k (ksi Units)
Tensile Strength	4.90 GPa	700 ksi
Tensile Modulus	250 GPa	36 msi
Density	1.80 g/cm ³	0.0657 lb/in ³
MUL	3,200 ¹ mg/m	155 ¹ yds/lb
Filament Count (k)	60	60
Filament Diameter (µm)	6	6

¹Property not Optimised and may change

PYROFIL TRW 40 50K

A LARGE TOW WHEN PRODUCTIVITY AND COST EFFECTIVENESS ARE KEY FACTORS

TYPICAL FIBRE PROPERTIES

FIBRE PROPERTY	TRW 40 50k (SI Units)	TRW 40 50k (ksi Units)
Tensile Strength	4.20 GPa	600 ksi
Tensile Modulus	240 GPa	35 msi
Density	1.810 g/cm ³	0.0657 lb/in ³
MUL	3,700 ¹ mg/m	134 ¹ yds/lb
Filament Count (k)	50	50
Filament Diameter (µm)	7	7

¹Property not Optimised and may change

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