

## PARA-ARAMID FIBER SPECIFICATION SHEET

### ACF

SPECIFICATIONS	ACF-168	ACF-966
Linear density, nominal (dtex)	1.680	9.660
Linear density, effective (dtex)	1.730	10.260
Number of filaments	1.000	6.000
Breaking Strength (N)	350	2080
Breaking Tenacity (Mpa)	2.916	2.951
Elongation at break (%)	3,55	2,90
Modulus of elasticity (Gpa)	71	98
Sizing (%)	0,8	0,8
Bobbin size (mm)	290 x 94	216 x 94

### KEY FEATURES:

- 1) Flammability (LOI): 29%
- 2) Twist: Z 80
- 3) Hot air shrinkage (15 min at 190°C): 0.1%
- 4) Heat resistance (residual strength after 48hr at 200°): 90
- 5) Decomposition temperature: >450°C
- 6) Coefficient of thermal expansion (linear): -3.5 (10[-6]/K)
- 7) Density:
  - a) ACF-168: 1.44 g/cm<sup>3</sup>
  - b) ACF-966: 1.45 g/cm<sup>3</sup>