

# Pitch Based High Modulus Carbon Fibers

## XN-80-A2S, XN-60-A2S

### Advantage :

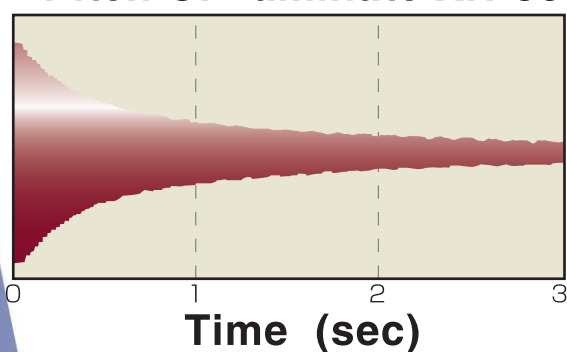
- Ultra high modulus  
XN-80 : 780GPa XN-60 : 620GPa
- Competitive performance in (Modulus/Euro)
- Excellent handling
- Zero CTE
- High thermal conductive

### Application :

- Roller
- Robot hand
- Drive shaft
- Construction and Engineering
- Fishing rod
- Bicycle

Grade	Filament Diameter	Filaments per Yam	Tensile Modulus	Tensile Strength	Elongation	Density	Yield
	$\mu\text{m}$		GPa	MPa			
XN-60-60S	10	6000	620	3430	0.6	2.12	890
XN-60-A2S	10	12000	620	3430	0.6	2.12	1780
XN-80-60S	10	6000	780	3430	0.5	2.17	890
XN-80-A2S	10	12000	780	3430	0.5	2.17	1780

### Lower vibration for damping Pitch CF laminate XN-80



### PAN CF 230GPa

