



常州隽隆复合材料有限公司

CHANGZHOU JLON COMPOSITE CO.,LTD

Han Yuan 2-607/608,New North District,Changzhou 213022,Jiangsu,China

Tel:86-519-89810829

Email:info@jloncomposite.com



## Technical Data Sheet

Carbon Fiber Chopped Strand

For Thermoplastic PA/PP

Item	Unit	Value
Tensile Strength	Mpa	150-180
Tensile Modulus	Mpa	5000-6500
Bending Strength	Mpa	210-250
Bending Modulus	Mpa	8000-20000
Notched impact strength of cantilever beams	KJ/M2	15-25
Unnotched impact strength of simply supported beams	KJ/M2	110-130
Heat deflection temperature	°C	220-250
UI horizontal combustion experiment	mm/min	40-60

For Thermoplastic PEEK

Item	Unit	Value
Tensile Strength	Mpa	155.1
Tensile Modulus	Mpa	12837
Bending Strength	Mpa	220
Bending Modulus	Mpa	13588

For Thermoset

Filament diameter	7.0-10 $\mu$ m
Tensile Strength	3.6-3.8Gpa
Tensile Modulus	240-280Gpa
carbon content	$\geq$ 95%
Elongation	1.50%
Density	1.6-1.76g/cm <sup>3</sup>
Appearance	grey-black
volume resistivity	1.5*10 <sup>-3</sup> $\Omega$ cm