NYTEX COMPOSITES CO., LTD.
耐特科技材料股份有限公司

Product Information

NYLOY® WC-0030N

PEEK | 30% Carbon Fiber Reinforced | Black

PROPERTIES	METHOD	UNIT	RESULT
MECHANICAL			
Tensile Strength	ASTM D638	kg/cm^2 (MPa)	1950 (191)
Elongation	ASTM D638	%	1.9
Flexural Strength	ASTM D790	kg/cm^2 (MPa)	3100 (304)
Flexural Modulus	ASTM D790	kg/cm^2 (MPa)	175000 (7174)
IZOD Impact, Notched 23° C	ASTM D256	kg-cm/cm (J/M)	7 (69)
Hardness Rockwell R Scale	ASTM D785	R	123
THERMAL			
Heat Deflection Temp	ASTM D648		
264 psi		°C	>300
ELECTRICAL			
Surface Resistivity	IEC 60093	Ohm/sq	E4~E9
Volume Resistivity	IEC 60093	Ohm*m	E4~E9
OTHER			
Density	ASTM D792	g/cm^3	1.41
Mold Shrinkage	ASTM D955	%	0.0~0.4
Flammability	UL-94	1.6mm	V0
REMARK			
(1)These values are typical test results for reference only and do not constitute a warranty.			