

Firestone

Nylon 6

Typical Properties

<u>Parameter</u>		<u>CG430-001</u>	
Applications		Injection molding	
Colour		Natural	
Chopped Fibreglass	%	30	
Fibre Dimension	Length - mm	4	
	Diameter - micron	14	
Moisture	% Max.	0.1	
Mold Shrinkage	%	0.3	ASTM D955
Specific Gravity		1.4	ASTM D792
Tensile Strength	MPa	160	ASTM D638
	PSI	22,830	
Elongation	%	3.5	ASTM D638
Flex Modulus	MPa	8,300	ASTM D790
	PSI	1,203,770	
Flex Strength	MPa	205	ASTM D790
	PSI	29,855	
Notched Izod Impact	ft.lb/in.	2.3	ASTM D256
Deflection Temp.	@ 0.45 MPa / 66 PSI	216°C	ASTM D648
	@ 1.82 MPa / 264 PSI	220°C	
Melt Temperature		220°C	
Coefficient of Linear	0.00001 m / °C	2.16	ASTM D696
Thermal Expansion	0.00001 in / °F	1.2	
Melt Flow Rate	235°C/5kg	12.9g/10 min.	
Rockwell Hardness	R Scale	121	

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