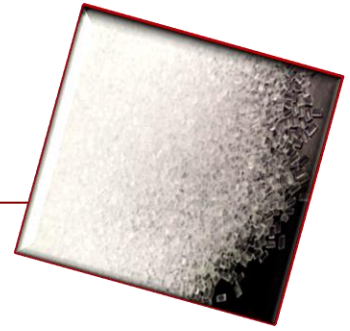


# Firestone

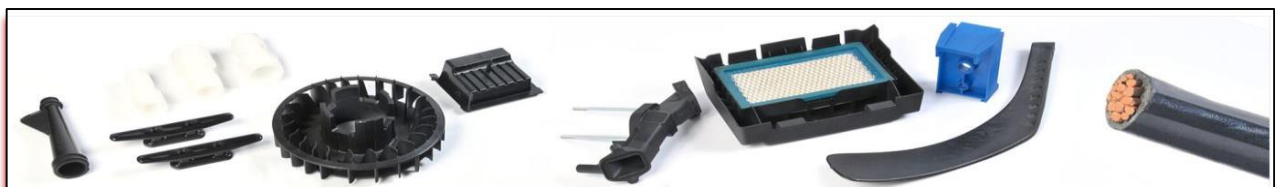
## CG415 – 001 Nylon 6 Resin – Natural 15% Glass Filled Chips



### TYPICAL PROPERTIES

<b>Application</b>		<b>Injection Moulding</b>	
<b>Colour</b>		<b>Natural White</b>	
<b>Heat Stabilized</b>		<b>No</b>	
<b>Chopped Fiberglass</b>	<b>%</b>	<b>15</b>	
<b>Fiber Dimension</b>	<b>Length - mm</b>	<b>4</b>	
	<b>Diameter - micron</b>	<b>14</b>	
<b>Modified</b>		<b>No</b>	
<b>Moisture</b>	<b>% Max</b>	<b>0.1</b>	
<b>Chip Size</b>	<b>mm</b>	<b>2.55 – 3.99</b>	
<b>Mould Shrinkage</b>	<b>%</b>	<b>0.35</b>	<b>ASTM D955</b>
<b>Specific Gravity</b>		<b>1.28</b>	<b>ASTM D792</b>
<b>Tensile Strength</b>	<b>MPa</b>	<b>114</b>	<b>ASTM D638</b>
	<b>PSI</b>	<b>16,530</b>	
<b>Elongation</b>	<b>%</b>	<b>60</b>	<b>ASTM D638</b>
<b>Flex Modulus</b>	<b>MPa</b>	<b>5,315</b>	<b>ASTM D790</b>
	<b>PSI</b>	<b>770,730</b>	
<b>Flex Strength</b>	<b>MPa</b>	<b>168</b>	<b>ASTM D790</b>
	<b>PSI</b>	<b>24,395</b>	
<b>Notched Izod Impact</b>	<b>Ft.lb/in</b>	<b>1</b>	<b>ASTM D256</b>
<b>Deflection Temp.</b>	<b>0.45MPa / 66 PSI</b>	<b>-</b>	<b>ASTM D648</b>
	<b>1.82 MPa / 264 PSI</b>	<b>196 DegC</b>	
<b>Melt Temperature</b>		<b>220 DegC</b>	

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