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**PRODUCT DATA SHEET**

## AVERAGE PHYSICAL AND MECHANICAL PROPERTIES

MATERIAL GRADE G86

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<b>Composition</b>	<b>Carbon Graphite Resin impregnated</b>
Apparent Density (gm/cc)	1.9
Hardness (Shore Scleroscope)	90
Compressive Strength (MPa)	248.2
Tensile Strength (MPa)	65.8
Flexural Strength (MPa)	86.2
Modulus of Elasticity (GPa)	20.7
C.T.E. (0C)	4.10 X 10 <sup>-6</sup>
Thermal Conductivity(W/m0K)	13.2
Temperature Limit (0C) Oxidising	290
Porosity	0.5%

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THE PHYSICAL CHARACTERISTICS OF THIS MATERIAL VARY SLIGHTLY DUE TO PART SIZE AND CONFIGURATION, THEREFORE THE ABOVE VALUES SHOULD BE CONSIDERED ONLY AS TYPICAL.



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## RESIN IMPREGNATED CARBON GRAPHITE

MATERIAL GRADE G86

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<b>PART No</b>	<b>SIZE</b>
USG020	44 X 0 X 80
USG003	42 X 17 X 80
USG004	46 X 7 X 80
USG005	51 X 25 X 80
USG006	57 X 18 X 80
USG007	65 X 30 X 80
USG009	74 X 37 X 80
USG010	80 X 47 X 80
USG011	87 X 35 X 80
USG012	107 X 55 X 80
USG013	119 X 40 X 80
USG014	130 X 77 X 80
USG015	157 X 102 X 80
USG016	207 X 81 X 80
USG017	245 X 143 X 60
USG018	294 X 167 X 60
USG019	345 X 190 X 60

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OTHER SIZES AND PRICES AVAILABLE ON REQUEST