

PROPERTIES OF

CARBON GRADE JP 645

GENERAL	PROPERTIES

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Carbon with very high strength resin		Typica	Typical Values	
impregnated for high mechanical and		English Units	SI Units	
sealing applications. Maximum		· ·		
operating temperature 400°F (200°C).	Bulk Density	112 lbs/ft ³	1,79 g/cm ³	
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	Specific Resistance	0.0020 ohm-in	5100 µohm.cm	
	Flexural Strength	13,050 psi	90 MPa	
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	Compressive Strength	36,250 psi	250 MPa	
	Tensile Strength	8,700 psi	60 MPa	
	Modulus of Elasticity	4.0 x 10E 6 psi	27,5 Gpa	
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TYPICAL APPLICATIONS	Shore Hardness	95	95	
Rings for mechanical seals.	Coefficient of Thermal	3.2 x 10E-6/°F	5,8 x 10E-6/°C	
Tiligs for mechanical scals.	Expansion	3.2 X 10L-0/ 1	5,6 X 10L-0/ O	
	Porosity	<0.5%	<0,5%	
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	Average grain size	0.0020 inch	50 μm	
	Thermal Conductivity	4.3 Btu-Ft/Ft ² Hr ⁰ F	7,5 W/m°C	
	Ash	E 0/	E0/	
	ASII	5%	5%	
	Maximum block size	6 x 7 x 23 in	145 x 180 x 600 mm	
	Other dimensions upon request			
		Other difficultions aport request		

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