

PROPERTIES OF

GRAPHITE GRADE JP 1000

GENERAL PROPERTIES

OLNLIVAL	I INOI LINIILO		
Very high density graphite with a very		Typical Values	
fine grain structure specially developed		English Units	SI Units
for high prtformance mechanical		3	
applications. Maximum operating	Bulk Density	118.7 lbs/ft ³	1,90 g/cm ³
temperature 850°F (450°C).	,		1,22 3 ,2111
(,	Specific Resistance	0.00063 ohm-in	1600 µohm.cm
	-		,
	Flexural Strength	10,875 psi	75 MPa
	Compressive Strength	30,450 psi	210 MPa
	Tensile Strength	7,250 psi	50 MPa
	Modulus of Elasticity	2.3 x 10E 6 psi	16 Gpa
	·	'	'
TYPICAL	Shore Hardness	80	80
APPLICATIONS			
Bearings.	Coefficient of Thermal	3.3 x 10E-6/°F	6,0 x 10E-6/°C
-	Expansion		
	Porosity	8%	8%
	Average grain size	0.0002 inch	5 µm
	Permeability	0.10 cm2.sec-1	0,10 cm2.sec-1
	Thermal Conductivity	46 Btu-Ft/Ft2Hr0F	80 W/m°C
	Ash	< 0.1%	< 0,1%
	Maximum block size	6 x 12 x 24 in	152 x 305 x 610 mm

Revised: October 2004 August 2005

The specification or data herein contained are only given for indication, without any undertakings whatsoever. Their publication does not suggest the matter is free of any rights whatsoever. Furthermore, due to constant evolution of techniques and norms, we reserve the right to modify, at any time, the characteristics and specifications contained in this document. MERSEN refuses all and any responsibility concerning their use whatever the purpose or application. Any copy, reproduction or information herein contained, in whole or in part, made without MERSEN written consent, is forbidden according to the laws of France and particularly the law nr. 92-597 of July 1st 1992 relating to the copyright.

In North America contact:
Mersen USA St Marys-PA Corp.

215 Stackpole Street Saint Marys, PA 15857 USA Tel: +1 814 781 - 1234

Fax: + 1 814 781 - 8570

In Europe contact:

Mersen France Gennevilliers S.A.S

BP 148 - 41, rue Jean - Jaurès F - 92231 Gennevilliers - France

Tel: + 1 33 1 41 85 43 00 Fax: + 1 33 1 41 85 43 15