

## PROPERTIES OF

## **GRAPHITE GRADE ELLOR+50**

GENERAL	PROPERTIES

Isomolded, micro-grain, high		Typical Values	
strength, isotropic graphite.		<b>English Units</b>	SI Units
Maximum inert atmosphere service		_	
temperature 5,000 F (2760 ℃)	Bulk Density	116 lbs/ft <sup>3</sup>	1,86 g/cm <sup>3</sup>
Standard size:	Grain Size	0.0002 inch	5 µm
305 x 305 x 915 mm	Specific Resistance	0.00050 ohm-in	1270 µohm.cm
	Flexural Strength	11,000 psi	76 MPa
	Tensile Strength	6,400 psi	44 MPa
	Compressive Strength	22,400 psi	154 MPa
	Hardness Shore	80	80
	Hardness Rockwell H	95	95
TYPICAL	Coefficient of Thermal	3.3 x 10E-6/°F	6,0 x 10E-6/°C
APPLICATIONS	Expansion (400 to 500 °C)		,
Micro-grain EDM graphite which allows exceptional surface finishes	Porosity	7 %	7 %
rates and excellent metal removal rates. Surface finish 0.56 to 1.60 Raµm.	Thermal Conductivity	59 Btu-Ft/Ft²HrºF	102 W/mºC
	Ash	400 ppm	400 ppm

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

215 Stackpole Street Saint Marys, PA 15857 USA

Tel: (814) 781 - 1234 Fax: (814) 781 - 8570 In Europe contact:

**Mersen France Gennevilliers S.A.S** 

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

Tel: (33) 1 41 85 43 00 Fax: (33) 1 41 85 43 15