

PROPERTIES OF

GRAPHITE GRADE ELLOR+40

OFMERAL	DDODEDTIES
GENERAL	PROPERTIES

Isomolded, very fine grain, high		Typical Values	
strength, isotropic graphite.		English Units	SI Units
	Bulk Density	111 lbs/ft ³	1,78 g/cm ³
	Grain Size	0.0003 inch	7 µm
	Specific Resistance	0.00050 ohm-in	1270 µohm.cm
Standard size:			
300 x 600 x 915 mm	Flexural Strength	8,700 psi	60 MPa
	Tensile Strength	5,200 psi	36 MPa
	Compressive Strength	18,000 psi	124 MPa
	Hardness Shore	60	60
	Hardness Rockwell "H"	75	75
TYPICAL	Coefficient of Thermal	3.1 x 10E-6/°F	5,5 x 10E-6/°C
APPLICATIONS An excellent EDM material which yields both good metal removal rates	Expansion (400 to 500°C)		
and excellent electrode wear. Produces a surface finish 1.12 to 2.24 Raµm.	Thermal Conductivity	58 Btu-Ft/Ft²HrºF	100 W/mºC
	Ash	800 ppm	800 ppm

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