

PROPERTIES OF

GRAPHITE GRADE ELLOR+20

GENERAL PROPERTIES

Isomolded, very fine grain, high		Typical Values	
strength. high density, isotropic		English Units	SI Units
graphite. Maximum inert service			
temperature 5,000 F (2760 °C).	Bulk Density	112 lbs/ft ³	1,81 g/cm ³
	Grain Size	0.0005 inch	11 µm
	Specific Resistance	0.00049 ohm-in	1240 µohm.cm
	Flexural Strength	7,500 psi	52 MPa
	Tensile Strength	4,500 psi	31 MPa
	Compressive Strength	15,000 psi	103 MPa
	Hardness - Shore	65	65
	Hardness - Rockwell H	70	70
TYPICAL	Coefficient of Thermal	2.8 x 10E-6/°F	5,0 x 10E-6/°C
APPLICATIONS	Expansion (400 to 500°C)		
Formulated for use in most EDM	Porosity	10%	10%
applications requiring medium metal removal rates and good surface finish.		00 D. F./F.01 0F	
Relatively low wear rates in finishing operations.	Thermal Conductivity	60 Btu-Ft/Ft ² Hr ⁰ F	104 W/mºC
Surface finish 3.15 to 6.3 Raµm.			
	Ash	400 ppm	400 ppm

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