



PROPERTIES OF GRAPHITE GRADE ELLOR[®]+20C

GENERAL

Copper impregnated graphite with a very good electrical conductivity. Chosen by EDM operators for applications that require the highest metal removal rate.

PROPERTIES

Typical Values

English Units *SI Units*

| | | |
|-----------------------------|-------------------------|------------------------|
| Bulk Density | 162 lbs/ft ³ | 2,60 g/cm ³ |
| Average grain Size | 0.0005 inch | 11 µm |
| Specific Resistance | 0.00009 ohm-in | 227 µohm.cm |
| Flexural Strength | 11,600 psi | 80 MPa |
| Compressive Strength | 29,000 psi | 200 MPa |
| Hardness - Shore | 70 | 70 |
| Porosity | <1% | <1% |
| Metal content | 28% | 28% |
| Maximum block size | 6 x 8 x 12 in | 165 x 200 x 308 mm |

For other dimensions, please contact us.

TYPICAL APPLICATIONS

Micro-grain EDM graphite which allows exceptional surface finishes associated with low electrode wear rates and excellent metal removal rates.

Revised: February 2014

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