

Materion FormaMet, EquaCast® Aluminium Bronze Cold Working Die Alloy

Category : Metal , Nonferrous Metal , Copper Alloy , Bronze

Material Notes:

FormaMet is an aluminum bronze cold working die alloy used for the drawing or forming of stainless steel, low carbon steel and other materials. When used for deep drawing and forming applications offer the following advantages:39 HRc hardness minimizes wear and maximizes tool lifeHigh galling resistance eliminates wrinkling and tearing of the deep drawn partVery high wear resistance combined with excellent sliding propertiesInformation supplied by Brush Wellman Engineered Materials.Brush Engineered Materials Inc. changed its name to Materion Corporation in March 2011.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Materion-FormaMet-EquaCast-Aluminium-Bronze-Cold-Working-Die-Alloy.php

Physical Properties	Metric	English	Comments
Density	6.95 g/cc	0.251 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	39	39	
Elongation at Break	<= 0.5 %	<= 0.5 %	
Compressive Strength	1520 MPa	220000 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	38.0 W/m-K	264 BTU-in/hr-ft ² -°F	

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