

CMW® ELKONITE 20SB tungsten, silver

Category : Metal , Nonferrous Metal , Precious Metal , Silver Alloy , Refractory Metal , Tungsten Alloy

Material Notes:

ELKONITE® 20SB is made by a "press-sinter" method with a small addition of nickel used to activate the sintering. Because of fewer steps in manufacture this material is more economical than the Elkonite® 20S (press-sinter-infiltrate) counterpart. Size of Elkonite® 20SB contacts are limited due to warping. They can be made with a serrated back and excess silver to facilitate attachment. Elkonite® 20SB with its high refractory content is used in certain lower rated circuit breakers where their temperature rise is adequate. Some automotive circuit protectors use ELKONITE® 20SB operating against a silver alloy. Information provided by CMW Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMW-ELKONITE-20SB-tungsten-silver.php

Physical Properties	Metric	English	Comments
Density	14.9 g/cc	0.538 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	100	100	

Component Elements Properties	Metric	English	Comments
Silver, Ag	27 %	27 %	
Tungsten, W	73 %	73 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000380 ohm-cm	0.00000380 ohm-cm	45 % IACS

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