

CMW® ELKONITE 4050 tungsten, high silver

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

Material Notes:

ELKONITE® 4050 is a high silver material that uses a special tungsten powder. It is made by the press-sinter-infiltrate method. It was developed especially for use as a combination current carrying and arcing contact for molded case circuit breakers. Its strong structure improves its arc erosion resistance while maintaining good temperature rise and current interruption characteristics. ELKONITE® 4050 has approximately the same silver content as ELKONITE® 50S, but has higher mechanical properties due to its higher sintered strength. It is used in the higher rated household breakers. Information provided by CMW Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMW-ELKONITE-4050-tungsten-high-silver.php

Physical Properties	Metric	English	Comments
Density	13.4 g/cc	0.484 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	65	65	

Component Elements Properties	Metric	English	Comments
Silver, Ag	50 %	50 %	
Tungsten, W	50 %	50 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000280 ohm-cm	0.00000280 ohm-cm	62 % IACS

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China