

Momentive Performance Materials Q-Coat™ Flash Evaporator

Category : Carbon , Graphite , Ceramic , Nitride

Material Notes:

Patented Q-COAT™ FLASH EVAPORATORS represent a new generation of technology for the flash metallization market. They are constructed by coating a graphite (G) resistive element with a layer of ultra high purity BORALLOY® pyrolytic boron nitride (PBN) and are engineered to be the most electrically consistent and chemically stable aluminum evaporators available. Since PBN maintains its high electrical resistivity and resistance to corrosive attack by aluminum, even at extreme temperature, the aluminum remains completely isolated from the control circuit and the resulting power curve is amazingly stable and repeatable. These PBN/Graphite (PBN/G) evaporators are also designed to directly substitute for ceramic evaporators in existing equipment. Performance Features Ultra Pure No Outgassing Repeatable Power Curve Very Long Life (Thousands of Flashes) Direct Substitute for Ceramic Elements Less Down Time Reduces Rework Cost Effective More Consistent Al Quality & Thickness Chemical isolation and electrical insulation of the aluminum from the graphite resistive element for PBN/G evaporators permit electrical resistance stability and consistency throughout their long life. This guarantees absolute flash-to-flash temperature repeatability, total aluminum evaporation and thickness (Q-value) consistency of the deposited layer. Information provided by Momentive Performance Materials, formerly GE Advanced Ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-Q-Coat-Flash-Evaporator.php

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