Applied Coatings, Inc.

coatings

Spec. Number	BC-1
Date	2006
Revision	

Barrier Coatings

Thin film coatings have been engineered to provide a variety of barriers to liquids, gases as well as electrons, magnetic fields, nuclear particles and various portions of the electromagnetic spectrum. Barrier thin films are engineered to meet the specific application, from the macro scale of serving as a barrier to gases, liquids or solids to the micro scale of preventing ionic movement of elements across interfaces. Thin film barrier coatings are all engineered to meet customer specific applications and will depend on the substrates, configuration of the component and barrier objective.

Typical barrier coatings can modify a component to control thermal, mechanical, electrical and chemical properties of a surface. Thin film barriers are atomic scale and allow near net shape component protection while not adding mass or changing component dimensional characteristics.

Characteristic	Test/Attribute	Indication
Substrate Specifications	Customer specific	
Cosmetics Specifications	Customer specific	

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