### ORION®

# EMI/RFI SHIELDING LAMINATES

## EM-X300 Series

### Product Data

#### **DESCRIPTION:**

ORION'S EM-X300 series of high performance EMI/RFI Shielding Laminates offers superior shielding characteristics and excellent formability, while maintaining excellent insulating and dielectric characteristics. The EM-X300 series of materials offers UL 1950 and UL 746 C performance down to a total thickness of 0.009". These materials use G.E. Valox® FR-1 as their insulating substrate.

**ORION**'s EM materials are available in combinations with a variety of shielding metals. Their excellent dielectric strength and formability make them the ideal choice for a wide range of electrical and electronic applications.

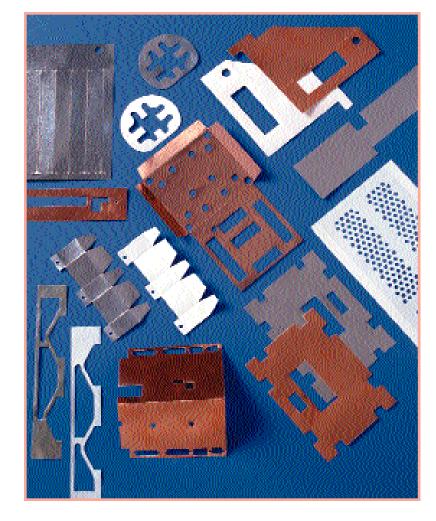
#### **Potential Applications include:**

- PC Board Level Shielding
- Total Enclosure Shielding
- Conductive Handles
- Business Equipment Shielding

### **CONFIGURATION:**

Film Color: Insulating Layer Finish: Standard Roll Widths: Standard Gauges (insulating layer): Available Foils:

Standard Gauges (Foil):



- Connector Bar Shielding
- Component Wrapping
- Ground Straps
- Large Dissipation Planes
- Keyboard Shielding
- Power Supply Shielding

White Matte or Polish up to 48" wide 0.005", 0.010", 0.015", 0.020", 0.030" Aluminum, Copper, Tin Plated Copper (SnCu) 0.002", 0.005"

ORION holds two patents on EMI shield designs Prototypes Within 24 Hours

**ORION**<sup>®</sup>

**ORION**'s EM-X300 series of shielding laminates have been tested to the following standards: UL 94, UL1950. The table below summarizes our UL listing for this series of materials.

			Foil	Foil	Nom Thk	UL94 Flame*	RTI
	Mtl Dsg Debekertedene	Col	Type	Thickness	(In.)	Class	All Properties
	Polybutylene	tereprinalate	e (PBT) - ciad ai	iuminum, copper o	r tin-plated copper		
F	EM-1305	NC	AI	0.002	0.009	94V-2	50
-	EM-2305	NC	Cu	0.002	0.009	94V-2	50
E	EM-3305	NC	SnCu	0.002	0.009	94V-2	50
E	EM-4305	NC	Al	0.005	0.012	94V-2	50
E	EM-5305	NC	Cu	0.005	0.012	94V-2	50
E	EM-6305	NC	SnCu	0.003	0.010	94V-2	50
8	See General I	nformation P	receding These			ied by Underwriters Labo	oratories Inc.

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