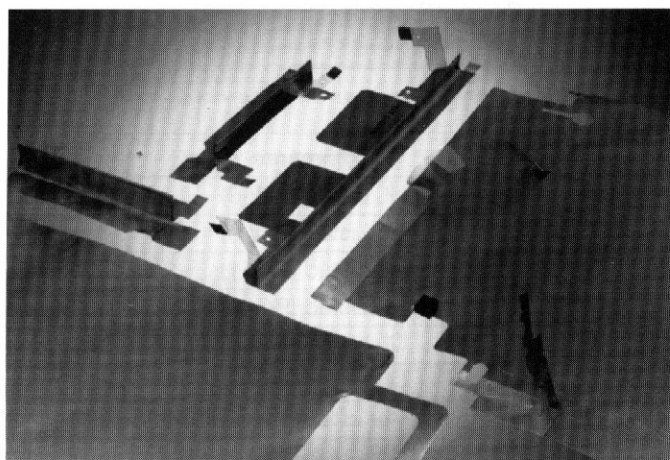


- Conductive elastomers • Knitted wire mesh
- Conductive coatings, sealants, adhesives
- Cable shielding products • EMI/ESD shielding laminates
- Shielded vents and windows
- Commercial and military EMI testing



LEADER IN EMI SHIELDING INNOVATION, DESIGN, AND TEST TECHNOLOGY

EMI Shielding Laminates



Chomerics offers a growing family of specialty laminated materials for EMI shielding. These laminates are available in bulk rolls for customizing into EMI shields, ground planes, ground straps, shadow shields, ESD shields and a host of other electronics applications. They are made from a variety of raw materials, including copper and aluminum foils, conductive and non-conductive acrylic pressure-sensitive adhesives (PSAs) and

dielectric films such as PVC polyester. Release films on PSA backers can be kiss cut for selective adhesive and dielectric location.

The product line includes a wide material selection which is often necessary for complex custom shield design. Metal foils and polymer films are supplied with or without adhesives for easy customization.

FEATURES

- Chomerics' specialty laminate family features our conductive PSA technology.
- EMI shielding performance exceeds conductive coatings when properly designed.
- Copper and aluminum foils available with dielectric films, single- or double-sided.

- Peel strength of the conductive PSA typically exceeds 40 oz./in.; non-conductives typically exceed 64 oz./in.

SECONDARY OPERATIONS AVAILABLE

- Slitting
- Die Cutting/Punching/Stamping
- Creasing/Forming

BENEFITS

- Flame retardant materials available, including UL 94V-0 (UL File No. E140244).
- Custom laminate design and fabrication possible by pre-cutting and laminating various materials.
- Environmentally friendly shield solution eliminates solvent paints or plating processes.
- Conductive laminate EMI shields have thin cross sections, are lightweight and offer space savings.
- Conductive PSA provides a simple and cost effective method for shield termination to ground.

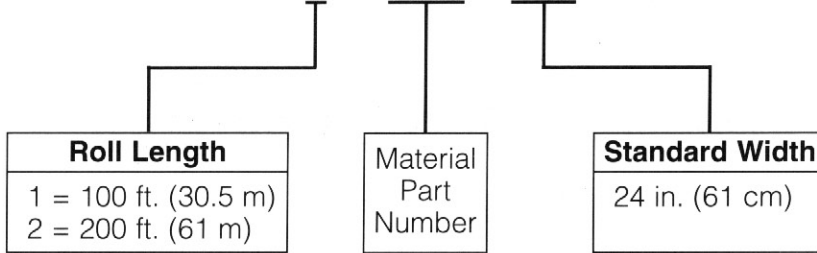
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Property	Test Method	Typical Values						
		Copper			Aluminum			Aluminum
Foil Type	—	Copper			Aluminum			Aluminum
Foil Thickness, in. (mm)	—	0.0014 (.036)			0.002 (.051)			0.005 (.127)
Adhesive Thickness, in. (mm)	—	0.001 (.025)			0.001 (.025)			0.0015 (.381)
Film Type	—	PVC			PVC			Polyester
Film Thickness, in. (mm)	—	0.003 (.0762)	0.006 (.152)	0.010 (.254)	0.003 (.0762)	0.006 (.152)	0.010 (.254)	0.002 (.051)
Weight, oz/ft ² (g/cm ²)	—	1.15 (.0355)	1.3 (.040)	1.6 (.049)	1.15 (.0355)	1.3 (.040)	1.6 (.049)	—
Dielectric Strength, kVAC	ASTM D149	5	11.5	13	5	11.5	13	3
Continuous Use Temperature, °C	—	90	90	90	90	90	90	90
Adhesive Strength (foil to PVC), lb/in (kN/m)	ASTM D1000	4.0 (.70)	4.0 (.70)	4.0 (.70)	4.0 (.70)	4.0 (.70)	4.0 (.70)	N/A
Flame Resistance, UL Rating*	UL 94	94V-0	94V-1	94V-0	94V-0	94V-1	94V-0	NR
Manufacturing Characteristics								
Punchable/Stampable		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Crease Formable		Yes	Yes	Yes	Yes	Yes	Yes	Yes

*Underwriters Laboratories File # E140244

ORDERING INFORMATION

Part Number: CBL - X0 - XXXX - 2400



Part Number	Description	Comments
CBL-10-1201-2400	10 mil PVC/2 mil aluminum	UL Listed (94V-0)
CBL-10-1101-2400	10 mil PVC/1 oz. copper	UL Listed (94V-0)
CBL-10-6201-2400	6 mil PVC/2 mil aluminum	UL Listed (94V-1)
CBL-10-6101-2400	6 mil PVC/1 oz. copper	UL Listed (94V-1)
CBL-10-1111-2400	10 mil PVC/1 oz. copper/10 mil PVC	UL Listed (94V-1)
CBL-10-1211-2400	10 mil PVC/2 mil aluminum/10 mil PVC	UL Listed (94V-1)
CBL-10-6001-2400	6 mil PVC/acrylic PSA	Used for custom lamination
CBL-10-1001-2400	10 mil PVC/acrylic PSA	Used for custom lamination
CBL-10-6161-2400	6 mil PVC/1 oz. copper/6 mil PVC	Used for custom lamination
CBL-10-3202-2400	3 mil PVC/2 mil aluminum	Used for custom lamination
CBL-10-3102-2400	3 mil PVC/1 oz. copper	Used for custom lamination
CBL-10-3002-2400	3 mil PVC/acrylic PSA	Used for custom lamination
CBL-10-2503-2400	5 mil aluminum/CL130/2 mil release polyester	Releasable dielectric for easy customization
CBL-10-6261-2400	6 mil PVC/2 mil aluminum/6 mil PVC	Used for custom lamination

Standard roll size: 24 in. wide x 100 ft. or 200 ft. long
(61 cm wide x 30.5 m or 61 m long)



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