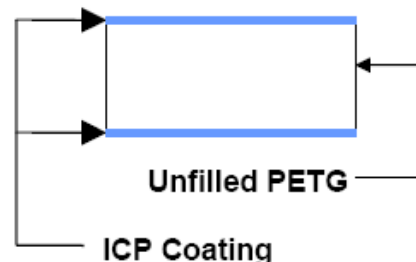


Product Description: Electro-Rite™ C632 is a rigid PETG sheet coated with an inherently conductive polymer (ICP). Our proprietary ICP-filled coatings provide durable ESD protection on the sheet surface that withstands most washing and baking processes without compromising ionic, offgassing or particulation cleanliness. In fact, our coated sheet is so optically clear that you can easily read part numbers or bar codes without opening your packaging.



Properties (typical)	C-632	Units	Test Method
Base Sheet	PETG		
Coating Filler	Inherently Conductive Polymer (ICP)		
Color	Transparent		
Specific Gravity	1.28	g/cc	ASTM D-792
Electrical Properties:			
Surface Resistivity	$10^6 - 10^7$	Ω /square	ASTM D-257 (50% RH)
Surface Resistance	$10^5 - 10^6$	Ω	ESD S11.11 (12% RH)
Bulk Resistance	10^{12}	Ω -cm	
Static Decay Rate +5000 V to 50 V	<0.1	Seconds	FTMS-101C (12% RH)
Mechanical Properties:			
Tensile Strength @ Yield	7,300 (50)	psi (MPa)	ASTM D-638-95
Tensile Elongation @ Break	100	%	ASTM D-638-95
Tensile Modulus	N/A	psi (MPa)	ASTM D-638-95
Flexural Modulus	300,000 (2,069)	psi (MPa)	ASTM D-790-92
HDT @ 264 psi	150 (65)	°F (°C)	ASTM D-648
These are typical values and should not be used for establishing product specifications. Contact Lubrizol Advanced Materials, Inc if you need data for this purpose.			

*Electro-Rite™ C-632 is available in sheet form only. Available thickness range = 0.020" - 0.050" (0.5mm - 1.2 mm)

FEATURES

- Transparency allows for easy inspection
- More permanent than anti-stat surfactants
- Provides protection after washing
- Rigid enough to handle heavy components
- More clean than anti-stat or carbon (low ionics, low offgassing)

APPLICATIONS

- Hard disk component packaging
- Electronic component packaging
- Electronic assembly packaging
- Display packaging

July 20, 2009

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Lubrizol

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