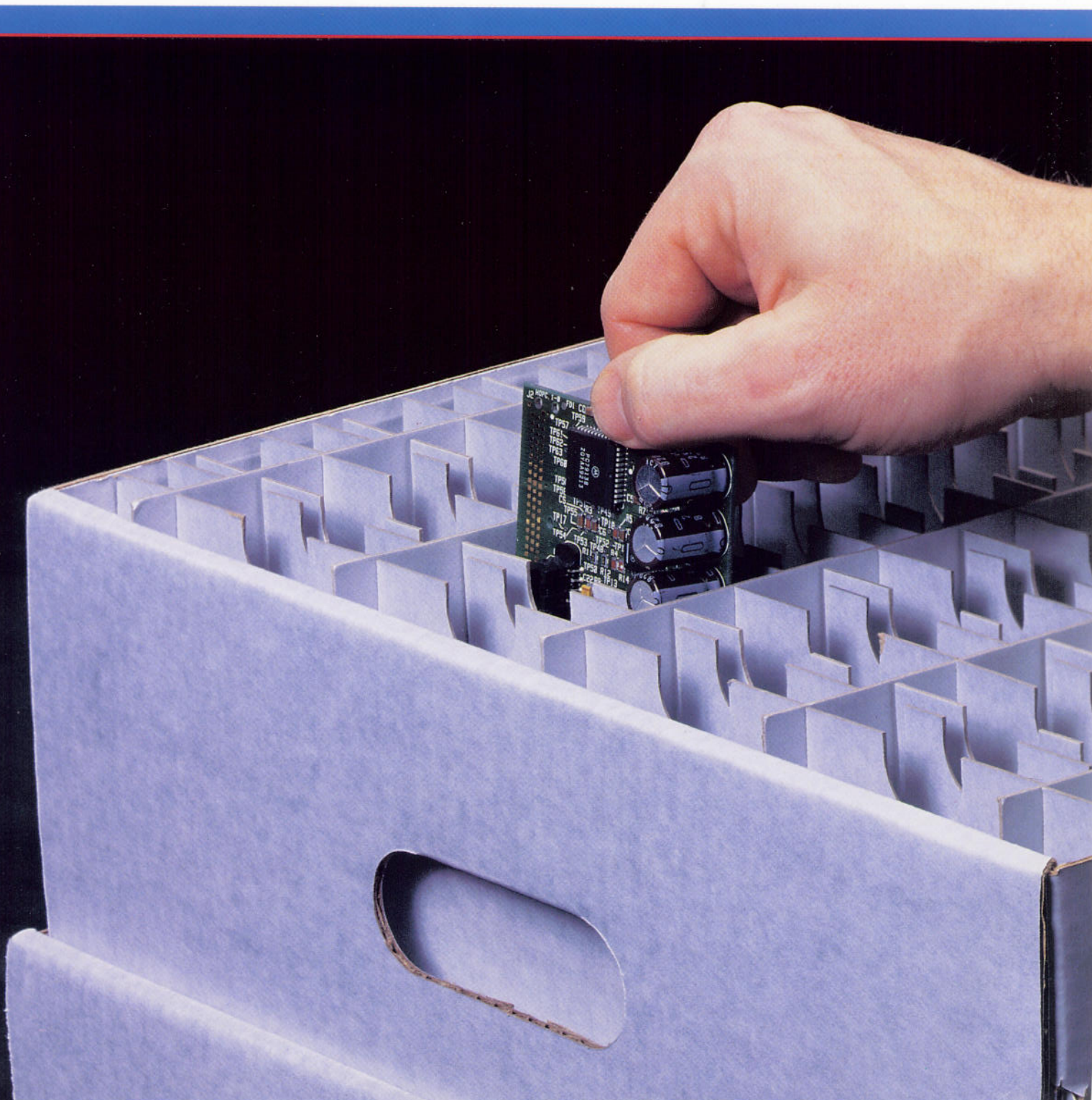


Bradford 



Strata-Shield ENV[®]

Recyclable Electronic Packaging



Strata-Shield ENV®

Typical Physical Properties & Performance Characteristics

Description: High performance recycled solid fiber and corrugated paperboard coated with a metallized recyclable film. The amine-free film has a permanently static dissipative surface, is non-humidity dependent and non-contaminating through outgassing or direct contact. The product has a buried metal shielding layer which creates a Faraday Cage. Solid fiber materials have film on both sides; corrugated materials are available in either one-sided or two-sided versions.

Application: Strata-Shield ENV is converted into cartons, tote trays and partition dividers which can be used for shipping and handling static sensitive devices. Partitions made of Strata-Shield cost less than shielding bags, require less packing labor and provide superior physical protection during transportation and storage. Strata-Shield is stronger and cleaner than other paper materials. Chemically, Strata-Shield packaging is very stable, non-corrosive and polycarbonate compatible.

Strata-Shield ENV®

U.S. Patent Nos. 5,017,260, 5,205,406 and 5,613,610; Additional Foreign Patents and Patents Pending

EVALUATIONS	TYPICAL RESULTS	TEST METHODS
CHEMICAL		
Corrosion Potential:	No Corrosion	Fed. Std. 101, Mtd. 3005
Polycarbonate Compatibility:	Ranking: 0 (no attack)	EIA-2222
ELECTRICAL		
Surface Resistance:	10 ⁹ ohms/square	EOS/ESD S-11.11-1993
Buried Metallic Shielding Layer:	2-3 ohms/square	NFPA 99 Resistance
Charge Decay Rate:	<.01 Seconds	FTMS 101c (4046)
Capacitive Probe:	0.53 nJ @ 12% RH & 0.63 nJ @ 50% RH	EOS/ESD 11.31-1993
ENVIRONMENTAL		
Repulpability:	100% Repulpable	Paper Technology
Recyclability:	100% Recyclable	Foundation Evaluations
Bio-Degradability:	100% Bio-Degradable	
Recycled Content:	Meets or Exceeds Standards	API Guidelines
MECHANICAL		
Abrasion Evaluation:	No Rub Off or Sloughing	Sutherland Method
Bursting Strength (B-Flute):	388 psi 1-side / 415 psi 2-side	TAPPI T-810

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