



HOT ZONE™ PROCESS CARRIER

Product Data Sheet

April 2004

HOT Zone™ Overview

The HOT Zone™ Series is revolutionary new class of ultra-high temperature Process Carriers that are clean, dimensionally stable, chemically resistant, and conductive. These carriers are ideally suited for high temperature processes such as Sputtering and Bake Annealing where rigid dimensional stability and cleanliness are critical.



Key Features

- Industry standard 95 mm base footprint including center-locating feature.
- Low profile top rail design with optical and mechanical alignment features.
- High quality aluminum alloy base material precision machined and plated with nickel resulting in low surface area.
- Asymmetric Top Rails for positive disk #1 position sensing.
- Custom lift tool with interface on both ends of the cassette for ease of handling.
- Optional Test Disk slot available for lot identification.
- Predrilled holes for colored rivets on disk #25 end of cassette.

Entegris® and HOT Zone™ are trademarks of Entegris, Inc. Patent pending.

ENTEGRIS, INC.

Corporate Headquarters / 3500 Lyman Boulevard / Chaska, Minnesota 55318 USA
Customer Service Tel. 952-556-4181 / Customer Service Fax 952-556-8022 / www.entegris.com

The materials integrity management company

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Typical Properties

Property	Test Method	Value	Units
Physical			
Overall Length, Width		7.10, 4.50	in.
Height to Top Rail		1.73	in.
Surface area		96.3	in ²
Weight		294	grams
Specific gravity	ASTM D-792	2.67	g/cc
Plating specifications	AMS 2404D	Class 3	
Mechanical			
Flexural strength	ASTM D-790	21,000	PSI
Flexural modulus	ASTM D-790	1.2E+06	PSI
Temperature			
Continuous use		572° F / 300° C	
One Hour		572° F / 300° C	

This information is based on our experience to date and we believe it to be reliable. Data is obtained from specimens molded under controlled conditions from representative samples of the compound described. Properties may be affected by the molding techniques and by the size and shape of the item molded. Identical results cannot be guaranteed and no assurance can be implied that all molded articles have the same properties as those listed.

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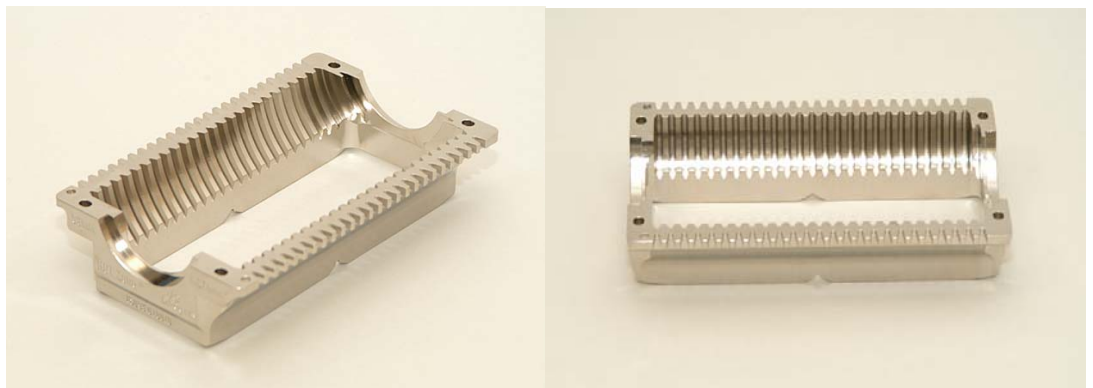
Manual Tray Lifting Tool



Key Features

- Self-aligning feature to Process Cassette locks lifter to Process Cassette with strong .125" Stainless Steel pins.
- Lightweight aluminum construction anodized for cleanliness and durability.
- Fully adjustable handle for best ergonomic handling.
 - Handle angle adjusts 120 degrees
 - Three handle length positions.

Additional Product Views



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Additional Product Views (cont.)



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