



# COMPRESSION MOLDED FRP TRANSIT CASES



ECS Composites' compression-molded containers offer exceptional versatility for military and industrial transit cases and reusable packaging. Using proprietary FRP (Fiberglass Reinforced Polyester) compression molding technology, these cases are available in various sizes and configurations, including removable lid and hinged clam-shell designs.

Lightweight yet durable, they combine high-impact FRP components with epoxy-bonded aluminum extrusions for superior strength. Watertight and resistant to moisture, salt spray, sand, dust, fuels, and solvents, they can be decontaminated after chemical exposure. ECS's custom FRP cases support complex designs and oversized enclosures, providing unmatched protection for critical equipment in the harshest environments, proving their reliability for military, industrial, and commercial applications worldwide.

MATERIAL	COMPRESSION MOLDED FRP TRANSIT CASES	ROTATIONALLY MOLDED LLDPE
Tensile Strength	33,500 PSI	4,000 PSI
Tensile Modulus	2,431,000 PSI	75,000 PSI
Flexural Strength	46,900 PSI	N/A
Flexural Modulus	1,994,000 PSI	175,000 PSI
Thermal Deflection	392°F	122° F
Sizes	ENDLESS	Driven by Tool Size
Custom Features	Rapid Decompression Discs, Air Valve, Fork Tubes, Gaskets, Casters, Hoist Rings, Desiccant Holders, Specialized Isolation Systems, Endless Specified Options	N/A



## TESTING:

Testing including but not limited to requirements listed below in accordance with: MIL-STD-810H, MIL-STD-1472(H)\*, MIL-PRF-28800 (F)\*

- » High / Low Temperature
- » Drop Testing
- » Vibration
- » Loose Cargo Bounce
- » Water Submersion
- » Fungus Growth
- » Low Pressure

\* Dependent on how case is equipped

## FEATURES:

- » Shock & Vibe Protection Options
- » Customizable Sizes
- » Standard & Inverted Options
- » Surface Mount or Recessed Handles
- » Customizable Lid Depth Options
- » Customizable Stacking
- » Available Caster Options
- » 10+ Colors
- » Watertight

## APPLICATIONS:

- » UAV Transport & Storage
- » Submersible Vehicle Transport & Storage
- » Military / Industrial / Commercial Equipment of Any Size

