

Thermal and Acoustical Systems

Acoustic Close-out Panel



Lydall Hush Panel is a moldable closeout panel for interior and exterior applications. It has been engineered to provide good acoustical performance, low weight, and B-surface aesthetics. Constructed of a durable composite of polyester fibers that provide excellent stiffness, shape retention, and abrasion resistance.

Applications:

- Luggage compartment close-out panels
- IP close-out panels
- Rear bulk-heads

Features/Advantages

- Significant weight savings over injection molded plastic panels
- Integrated sound absorbing functionality does not require secondary acoustic treatments
- Lower piece price and tooling cost than injection molded plastic components

Typical Properties:

Surface Weight Thickness	1000 to 1500 g/m ² 2 - 15mm
Tensile Strength (ASTM D5034)	Mach. Dir – 229 N/cm ² Cross Dir – 317 N/cm ²
Flammability (SAE J369)	Self Extinguishing
Abrasion Resistance (Taber ASTM D3884)	H38 Wheel with 1000g weight - No Loose Fiber or Wear Through
Water Wicking (SAE J913)	No Wicking (<5mm)

Material Construction Options:

- Solid black surface facing occupant compartment
- Fasteners can be integrated into the design or assembled onto the part
- Can be ultrasonically or RF welded to other thermoplastic components
- Additional acoustic pads can be added

Random Incidence Absorption - ASTM C423
Lydall Hush Panel

