

Thermal and Acoustical Systems dBLyte® Fine Fiber Blend



dBLyte® FFB is a high performance polyester fiber insulator composed of a unique blend of microfibers ideal for high performance thermal and acoustical insulating applications. The product provides very high acoustic absorption and thermal insulating properties to provide maximum performance at low thickness and weight. The unique fiber structure of dBLyte FFB provides high internal bond strength and product integrity – eliminating the need for facing materials or edge welding operations often required with melt blown systems

Applications:

- Interior trim acoustic treatments for door panels, package trays, plastic trim, HVAC
- Instrument panel acoustic absorbers
- Exterior trim acoustic treatments for wheel wells and underbody panels
- Thermal insulation for headliner, wall panels, and floor systems

Features/Advantages

- Low tooling costs
- Short lead-times for production
- Approved at several major OEM's
- Excellent acoustic absorption properties
- 100% Polyester material is fully recylcable
- Excellent thermal insulating properties
- Available in 2D die cut or 3D formed parts
- Resistant to interior and exterior automotive environmental conditions and operating fluids

Typical Properties:	
Material Type:	Polyester Fiber Insulation
Thickness Range (SAE J1355)	5 – 50 mm versions available
Surface Weight Range (ASTM D3776)	150 - 1500 g/m² (0.5-4.9 oz/ft²)
Flammability (FMVSS302 / SAE J369)	SE (Self Extinguishing)
Moisture Absorption (38°C/95%RH)	< 0.3%
Thermal Conductivity (ASTM C518)	0.032 W/m/ºK - @ 24º C
Internal Bond Strength (GME 60349)	34 N/100 cm ²
Tensile Strength (ASTM D5034) 600gsm @ 20mm	Mach. Dir – 23 N/cm ² Cross Dir – 76 N/cm ²
Tear Resistance (ASTM D5733) 600gsm @ 20mm	Mach. Dir – 154 N/cm Cross Dir – 62 N/cm
*All Values Approximate	



Material Construction Options

- Polyester fiber core material in white, gray, or black
- Variety of surface cover options including Al Foil, Microperforated Aluminum, and AFR Scrims
- Pressure sensitive adhesive systems available for permanent attachment or as an assembly aid

Lydall Thermal / Acoustical, Inc.

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All data and statements concerning these products may be considered as being indicative of representative properties and characteristics obtainable. Since industry practices vary, we make no warranty, express or implied, concerning their use, nor do we accept responsibility for any misapplications of these products, or their use under any conditions

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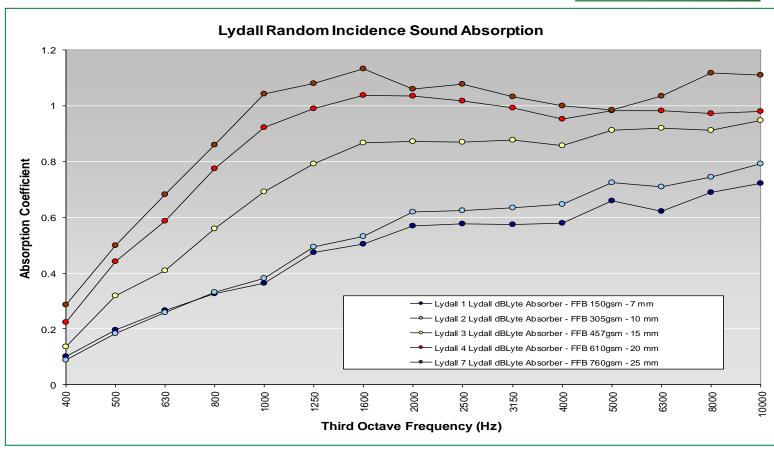
Japan Sales Office

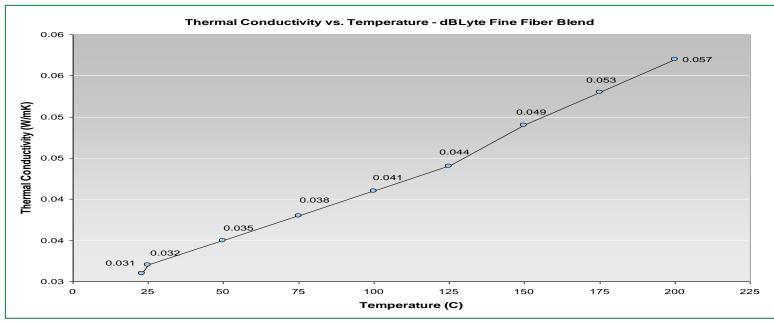
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