

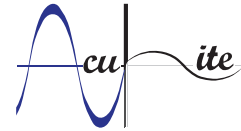
# EMC Solutions Sectors

## Sound and Vibration Control

**PSN 085**  
Product data sheet

Ref: PLA 0600

### AcuLite® E45F



#### Generic Description

A high performance light weight flexible material engineered to give excellent broad band sound absorption

#### Function

Airborne noise reduction and control, typically used :

- Behind automotive trim
- Above automotive headliners
- Within automotive instrument panels
- As a lining within acoustic enclosures

#### Component Detail

Machine cut finished parts, with optional edge sealing and optional self-adhesive systems

#### Material Properties

##### • Acoustic performance

The chart below shows typical acoustic absorption performance in a large scale test. The test is performed on the material from which a finished component is manufactured.

##### • Physical characteristics

Density : 525gsm

Nominal uncompressed thickness : 25mm

Polymer blend : 10%PP, 85%PET, 5%PU-R

- Flammability : ISO 3795 .... 0mm/min

#### Features

- Dimensionally stable
- Can be ultrasonically welded to substrates
- Can be supplied with clips for mechanical attachment
- Virtually no dusting after processing.
- Wide range of self-adhesives available

#### • Colour

White core fibre. White facing textile.

#### • Service Temperature

Continuous : 100deg C

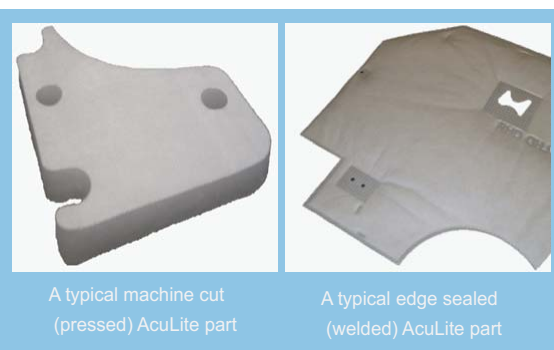
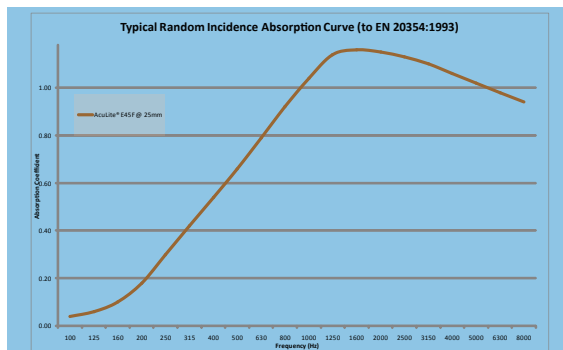
Peak (short duration) : 120deg C

#### • OEM usage

AcuLite is currently approved and used in Europe by Nissan, Honda, Toyota, Mini, Ford, Jaguar, Land Rover, Mercedes, Aston-Martin, Renault, PSA, McLaren Automotive

#### Self Adhesive Availability

- SBR / Solvented Acrylic / Water based Acrylic compounds
- Scrim supported / Film supported / Transfer adhesive presentations
- Striped or solid coverage
- Silicone paper or plastic film release liners
- Ultra-low VOC emission adhesive technology available



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