

General Information

Product Name: REVAC® Eco Auto V2 50

Product Description: REVAC® Eco Auto V2 50 is a limp polymeric noise insulation material with excellent acoustic attenuation properties. The material is formulated to give excellent thermoforming capability. The polymer sheet is a compound based on thermoplastics, synthetic elastomers and naturally occurring minerals. The material does not contain any unrefined aromatic oils, lead, cadmium, or halogenated polymers. The material has been formulated to comply with the raw material restrictions imposed by several automotive companies.

Construction: Monolayer barrier

Application: Designed to improve the sound insulation and absorption of existing panels of metal, wood, plastic etc., at all frequencies. The mat is normally fixed in intimate contact with the original panel. REVAC® barriers are particularly effective in overcoming coincidence dip resonance found in stiff lightweight composites such as plywood sheets and hollow core panels.

Technical Data

| Description | Data | Unit | Tolerance | Test Method |
|------------------------------|---------------------------------------|-------------------|-----------|-----------------|
| Apparent Density | 1800 | Kg/m ³ | +/- 10% | DIN EN 1602 |
| Reaction to Fire | Pass | - | - | FMVSS 302 |
| Nominal Weight | 5.0 | Kg/m ² | +/- 10% | - |
| Nominal Thickness | 2.78 | mm | +20/- 10% | - |
| Strain at Break | 150 | % | Minimum | ISO 37:2011 (E) |
| Stress at Peak | 1.0 | N/mm ² | Minimum | ISO 37:2011 (E) |
| Durometer Hardness (Shore A) | 75 | - | Typical | Internal |
| Static Operating Temp. Range | -30 – 93 (short exposure at extremes) | °C | - | Internal |
| Colour | Black/Grey | - | - | - |

Acoustic Data

| Data extrapolated from BS EN ISO 10140-2 (Free Hanging Curtain) | |
|---|-----------------------|
| Hz | Revac® Eco Auto V2 50 |
| 125 | 13.8 |
| 250 | 16.4 |
| 500 | 21 |
| 1000 | 25.6 |
| 2000 | 31.5 |
| 4000 | 38 |
| Barrier (kg/m ²) | 5.0 |
| Space L | 0.0 |
| Space R | 0.0 |
| Total Mass (kg/m ²) | 5.0 |
| Rw (dB) @ 1000Hz | 26 |
| Average SRI | 24 |

