

tesa® 45001 FR



Product Information

Flame Retardant PE-Foam Tape

tesa® 45001 is a flame-retardant PE-foam tape for permanent mounting in demanding applications. The tape comprises of a flame-retardant acrylic adhesive and flame-retardant PE-foam with excellent bonding strength. Following features are offered:

- Proven flame-retardant characteristics according to FAR 25.853(a) app. F part1 and UL 94 HBF - HF1
- Free of halogens and antimony-trioxide (REACH and ROHS conformity)
- Excellent adhesion characteristics on a variety of surfaces
- High conformability and damping properties
- Extremely light weight compared to alternative flame-retardant bonding opportunities

Main Application

- Mounting in elevator
- Bonding in aircraft cabin interior
- Assemblies in trains

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Technical Data

• Backing material	PE foam	• Type of liner	MOPP
• Color	white	• Color of liner	red
• Total thickness	1000 µm	• Thickness of liner	80 µm
• Type of adhesive	acrylic		

Adhesion to

• Steel (initial)	19.2 N/cm	• Steel (after 14 days)	22.0 N/cm
• Aluminium (initial)	16.6 N/cm	• Aluminium (after 14 days)	21.8 N/cm

Properties

• Temperature resistance short term	80 °C	• Static shear resistance at 23°C	●●●●
• Temperature resistance long term	80 °C	• Static shear resistance at 40°C	●●●

Evaluation across relevant tesa® assortment: ●●●● very good ●●● good ●● medium ● low

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