Technical Data Sheet

3M™ Specialty High Temperature Purple Masking Tape 5501A

Product Description

3M™ Specialty High Temperature Masking Tape 5501A is a purple colored crepe paper masking tape for critical paint masking applications in the aerospace market where excellent holding and high temperature performance are required.

Product Features

• Specialty high temperature masking tape used for critical aerospace paint masking applications.
• High-temperature adhesive quickly sticks with confidence to most surfaces – including metal, paint coatings, rubber, glass, and plastic.
• Extra strong purple crepe-paper backing enables tensioning long straight lines, and conforms to curves.
• Controlled unwind force.
• Provides sharp paint lines.
• Temperature resistant up to 300°F (149°C) for 30 minutes, or 120°F (49°C) for 16 hours.

Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Typical Physical Properties

Attribute Name	Test Method	Value
Color		Purple
Adhesive Type		Rubber
Backing		Smooth crepe paper treated with a heat resistant saturant
Total Tape Thickness	ASTM D3652	0.178 mm (7 mil)

Typical Performance Characteristics

Attribute Name	Test Method	Dwell Time	Temperature	Value
180° Peel Adhesion	ASTM D3330	72 h	23 °C (73 °F)	3.4 N/cm (31 oz/in) [1]
Elongation at Break	ASTM D3759			10 %
Tensile Strength	ASTM D3759			56 N/cm (512 oz/in)
Short Term Temperature Resistance				149 °C (300 °F) [2]

[1] 304 mm/min (12 in/min)
[2] Short Term (minutes, hour)

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 18 months from date of manufacture.

Available Sizes

Attribute Name	Value
Standard Roll Length	54.8 m (60 yd)

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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