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3M™ High Performance Masking Tape 231/231A

Product Description



3M™ High Performance Masking Tape 231/231A is a premium high performance crepe paper masking tape designed to perform well in most industrial painting situations, including the use of bake cycles. This smooth to the touch masking tape, embodies all the features that are desirable of a paint masking tape and designed specifically for the professional painter. 231A designation was added 12/04 for the Aerospace market.

Product Features

- Can be qualified for ASTM D-6123 (replaces obsolete PPP-T-42C, Type I, (CID-A-A-883B).
- Rubber adhesive with instant adhesion that sticks easily and allows fast application.
- Good holding power that resists lifting or curling that helps reduce rework.
- Superior adhesive transfer resistance with clean removal that helps reduce rework.
- Smooth mini-crepe backing results in excellent surface contact with very secure holding.
- Excellent conformability and easy handling that reduces time involved in application.
- The backing is solvent and moisture resistant that helps reduce bleed-through minimizing rework.
- The backing has excellent dead stretch for minimal recovery that reduces rework.
- Easy to tear backing aids in handling, yet strong enough to resist slivering giving one piece removal to help reduce labor.
- Special backsize treatment gives a balanced unwind that helps reduce waste.
- Paint flake resistance that reduces rework due to contamination, results in a quality paint job.
- Designed for indoor use only as it should not be subjected to outdoor exposure for prolonged periods of sunlight as the tape may become very difficult to remove. Best results are obtained if applied and removed within 24 hours.

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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

Property	Values		Method
Color	Tan		
Total Tape Thickness	0.19 mm	7.6 mil	ASTM D3652
Backing	Smooth mini-crepe paper, treated with a heat resistant saturant.		
Adhesive	Rubber		

Typical Performance Characteristics

Property	Values		Method	Substrate
Peel Adhesion	4.1 N/cm	38 oz/in	ASTM D3330	Stainless Steel
Tensile Strength	49 N/cm	448 oz/in	ASTM D3759	
Elongation at Break	10 %		ASTM D3759	
Temperature Use Range	Removes cleanly after 30 minutes up to 149 °C	Removes cleanly after 30 minutes up to 300 °F		

Available Sizes

Property	Values	
Standard Roll Length	55 m	60 yd

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Handling/Application Information

Application Ideas

3MTM High Performance Masking Tape 231/231A is well suited for painting on automobiles, aircraft, trucks, boats and painting of fabricated parts.

Storage and Shelf Life

Store under normal conditions of 70°F (21°C) and 50% R.H. in the original carton.
To obtain best performance, use within 18 months from date of manufacture.

Trademarks

Scotch is a registered trademark of 3M Company.

References

Safety Data Sheet (SDS)

https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&msdsLocale=en_US&co=ptn&q=231/231A

ISO Statement

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Technical Information

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