



# 483 Coloured Polyethylene Film Tape

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## Product Data Sheet

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Updated : March 1996  
Supersedes : March 1995

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**Product Description**      483 combines a polyethylene backing available in transparent, red, blue, white, black, green and yellow with a special rubber adhesive.      Good general purpose plastic tape.

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**Physical Properties**  
Not for specification purposes

<b>Adhesive Type</b>	Special Rubber Formulation	
<b>Backing</b>	Polyethylene	
<b>Thickness</b> (ASTM D-3652)	0.13 mm	
<b>Backing Thickness</b>	0.1 mm	
<b>Tape Colour</b>	Transparent, Red, Blue, White, Black, Green, Yellow	
<b>Shelf Life</b>	12 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity	

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**Performance Characteristics**  
Not for specification purposes  
(Fed. Std. 147)

<b>Adhesion to Stainless Steel</b> ASTM D-3330	1.6 N/10mm	
<b>Tensile Strength</b> ASTM D-3759	17.5 N/10mm	
<b>Elongation at Break</b> ASTM D-3759	400 %	
<b>Water Vapour Transmission Rate</b>	10.85 g/m <sup>2</sup> /24h	
<b>Other</b>	Has low chloride and halogen content	
<b>Chemical Resistance</b>	Excellent	

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<b>Additional Product Information</b>	Remains flexible to -20°F (-29°C) and should not be exposed to temperatures which exceed 170°F (77°C).	Good candidate for limited outdoor applications.	Vivid colours and smooth backing provide excellent glossy appearance.
<b>Application Techniques</b>	Best results are obtained when applied to a clean, dry surface above 32°F (0°C)		
<b>Applications</b>	General sealing of containers.  Electroplating/P.C. board masking  Silicone chip holding	Decorative/safety marking/ colour coding.  Nuclear power plant construction - because of low chloride and halogen content.	Outdoor applications.
<b>Major Industries &amp; SIC Codes</b>	Chemical, Sealing, Protection, Colour Coding - 2800.  Building Trades, Splicing, Sealing, Moisture Barrier - 1542.	Electroplating, P.C. Board Manufacturing - 3471.  Safety Departments, General Industry, Colour Coding, Nuclear Power Plant Construction - 1542.	

#### FEATURES

Pigmented Polyethylene Backing

Special non-staining adhesive

#### ADVANTAGES

Extremely conformable.

Chemical Resistant.

6 bright, glossy colours

Removes cleanly from most surfaces (testing recommended)

#### BENEFITS

Ultimate seal.

Better protection.

Good for decoration and colour coding.

Less labour.

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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations.



#### Specialty Tapes & Adhesives

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