



# 3M™ Dichroic Glass Finish DF-PA in Blaze

## 1. Product Description

3M™ Glass Finish DF-PA (the “Product”) offers a way to create unique, ever-changing color to many interior building surfaces. Influenced by the color of the substrate, this transparent Product provides a dichroic color effect, meaning it appears to change color when viewed at various angles. The “Blaze” Product shift colors in the warm tones of cyan/blue/magenta and red/gold color regions of the spectrum. The Product has a clear, pressure-sensitive adhesive that can be applied to glass and many plastics. A hard coated surface layer helps resist scratching during normal use.

### A. Suitable Uses

Product is suitable for interior application surfaces, such as interior facing glass conference room walls and for interior application to perimeter glass.

### B. Unsuitable Uses

- Printing on the Product
- Application to unsmooth surfaces, such as those with frosted or textured finishes
- Application to a colored or printed substrate that could either impede good adhesive “wet out” during installation, or affect the installed appearance of the Product in an unacceptable manner

## 2. Physical Properties

These are typical values for unapplied Product: the values are not intended for use in a specification nor are they warranted. Please contact your 3M representative for a custom specification.

Characteristic	Value
Protective layer	Hardcoated Polyester
Base Film	Multi-layer polymeric
Film Color	Cyan/Blue/Magenta and Red/Gold Color Regions
Adhesive	Acrylic, Pressure-Sensitive
Release Liner	Silicone coated polyester, 4 mil
Total product caliper	4.9 mil (125 micron) without release liner

### 3. Performance Characteristics

These values are not intended for use in a specification nor are they warranted. Please contact your 3M representative for a custom specification.

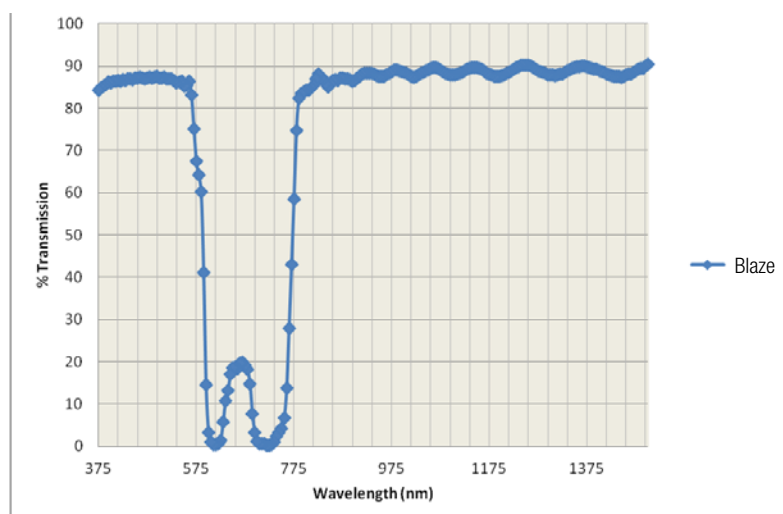
#### A. Typical Performance Properties and Characteristics of Base Film

Characteristic	Blaze
Adhesion	The Standard Test Conditions are 23°C and 50% Relative Humidity. The 180° Peel Adhesion was tested at a pull rate of 12 inches/minute Glass 6.6 lbs/inch Acrylic 6.8 lbs/inch Polycarbonate 6.8 lbs/inch
Transmissive Color <sup>1</sup>	Cyan/Blue/Magenta
Reflective Color <sup>1</sup>	Red/Gold
Bandwidth <sup>2</sup> Left Bandedges Right Bandedges	590 nm 740 nm

<sup>1</sup> Varies by viewing angle. Color shift is visible from both sides of the Product.

<sup>2</sup> ASTM Test: E1164-94 / E387-95.

#### B. Typical Spectral Response for Blaze Products



### 4. Product Use

The user is solely responsible for evaluating and determining whether this 3M Product is suitable and appropriate for any particular use or manufacturing process in which it may be used.

### 5. Processing

#### A. Printing

The Product has a scratch resistant coating that makes it unsuitable for printing.

#### B. Digital Cutting

This Product is believed to be suitable for use with most digital cutting equipment, but the customer must test and approve with their equipment to determine suitability.

### 6. Technical Information

Technical information and data, recommendations, and other statements provided by 3M are based on information, tests, or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed. Such technical information and data are intended for persons with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. The typical values shown should not be used for the purpose of specification limits. If you have questions about this Product, contact the Technical Service helpline at 1-888-650-3497.

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## 7. Limited Warranty and Limited Remedy

### A. Limited Warranty

1. 3M warrants that a Product will be free from defect in manufacture ("3M Warranty") on 3M's Product shipment date ("Warranty Period"). EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, THE 3M WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, RIGHTS OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND THOSE ARISING FROM A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. THE BUYER IS RESPONSIBLE FOR DETERMINING IF A PRODUCT IS SUITABLE FOR ITS PARTICULAR PURPOSE AND APPLICATION METHODS.

2. For a buyer's convenience, 3M may provide engineering or technical information, recommendations, installation instructions, and other information or materials relating to Product ("Other Product Information"), but 3M makes only the 3M Warranty and does not warrant any Other Product Information.

3. 3M has no obligation under the 3M Warranty as to Product that has been: (a) modified, altered or processed in any manner; (b) stored, applied, installed, or used in a manner other than that 3M recommends in this Technical Data Sheet and in all Other Product Information; (c) damaged through contact with a person or thing, misuse, accident, neglect, or other action by anyone other than 3M; or (d) exposed to excessive heat, humidity, dirt or UV light.

### B. Limited Remedy

If any Product is proven not to have met the 3M Warranty on the buyer's receipt, then **the buyer's exclusive remedy, and 3M's sole obligation, will be, at 3M's option, to replace that Product quantity or refund the applicable purchase price.**

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## 8. Limitation of Liability

3M WILL NOT UNDER ANY CIRCUMSTANCES BE LIABLE TO A BUYER FOR DIRECT (other than the Limited Remedy stated above), SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES (INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS) IN ANY WAY RELATED TO A PRODUCT, THIS TECHNICAL DATA SHEET, OR OTHER PRODUCT INFORMATION, REGARDLESS OF THE LEGAL OR EQUITABLE THEORY ON WHICH SUCH DAMAGES ARE SOUGHT.

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