

## 1. **Manufacturer**

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## 2. **Product Description**

### **Recommended Uses**

There is an unlimited range of applications for Wilsonart ABS/PVC Edgeband - from the office to bathrooms and kitchens, exhibition stand and shop fitting, general living areas and general interior design. The material is particularly suitable for machining and processing, means that it can be used in straight processing, as well as on any curved furniture items, on both internal and external radii. Given their excellent disposal characteristics, ABS/PVC Edgebands are often required by specification regulations in calls for tender in both the public and private sectors.

### **Product Composition**

Wilsonart ABS/PVC Edgeband is extrusion-manufactured and through-colored. Consistent through-coloring of the material means that obtaining a clean radius of the Edgeband does not pose any problems. ABS (acrylonitrile butadiene styrene) is an impact resistant, mechanically and thermally resilient, high quality thermoplastic which is ecologically sound. PVC (polyvinyl chloride) is one of the best known materials that have turned out to be very successful due to its outstanding processing characteristics. The impact resistance of the ABS/PVC material means that the life of milling and other types of cutting tools is not unnecessarily shortened. Wilsonart ABS/PVC Edgeband can be used with any suitable hot melt or solvent-based adhesive.

### **Basic Limitations**

Wilsonart Edgeband is intended for interior use only. It is not a structural material and must be bonded to a suitable substrate. For best results when applying the Wilsonart Edgeband product, boards and/or panels and the Edgeband should be processed at room temperature (not below 18 °C.) If the materials have been stored outdoors, they should be warmed up overnight. If the boards or Edgebands are too cold, the hot melt adhesive will set before the Edgeband is applied to the board. For this reason, draughts should also be avoided.

### **Colors**

Complementary to nearly 200 Wilsonart® Contract Laminate designs. Samples are available for evaluation by calling 1-800-433-3222, or the Wilsonart website.

### **Finishes**

Super Matte to High Sheen

### **Standard Stock Size**

15/16" x .018"

### Size Availability

Width	Typical Thickness	Length of Roll
15/16"	0.018	600 L/F
15/16"	1MM	300 L/F
15/16"	3MM	328 L/F
1-5/16"	0.020"	600 L/F
1-5/16"	3MM	328 L/F

### 3. Technical Data

#### Physical Properties of ABS Edgeband

Characteristics	Test Standard	Wilsonart ABS Edgeband
Light fastness for indoor applications	DIN 53 384C DIN 53 388	6-7 on wool colour scale. Ideal for indoor applications.
Indentation Hardness	DIN 53 456	100-120 (N/mm <sup>2</sup> )
Shore Hardness D Sensitivity to mechanical forces	DIN 53 505/ ISO 868	74 ( ± 4) Good scratch resistance and surface hardness. Physical damage can be easily rectified by buffing.
Linear thermal expansion coefficient	DIN 52 328	100 (1/K x 10 <sup>-6</sup> ) Dimensional stability of the glued Edgeband is good if the appropriate adhesive systems are used.
Resistance to warpage under heat- Vicat B 50	DIN 53 460/ ISO 306	94 (±2) °C
Shrinkage (in %)	Factory standard	< 0.3% Ideally suited to applications in the furniture industry. In critical temperature ranges, the use of a highly heat resistant adhesive is critical for the dimensional stability and temperature resistance of the finished furniture item.
Chemical resistance	DIN 68 861	Good- classification 1B Resistant to standard domestic cleaning agents. Limited resistance to solvents. Tested by LGA Nuremburg.
Static charge		Very low
Disposal characteristics		Edgeband remnants can be incinerated in suitable plant. TA-Luft Limits (Technical Guidelines on Air Quality must be observed.
Physiological characteristics		No known source of harm to general health.

#### Physical Properties of PVC Edgeband

Characteristics	Test Standard	Wilsonart PVC Edgeband
Light fastness for indoor applications	DIN 53 384C DIN 53 388	7-8 on wool colour scale Ideal for indoor applications.
Indentation Hardness	DIN 53 456	110-130 (N/mm <sup>2</sup> )
Shore Hardness D Sensitivity to mechanical forces	DIN 53 505/ ISO 868	81 ( ± 3) Good scratch resistance and surface hardness. Physical damage can be easily rectified by buffing.
Linear thermal expansion coefficient	DIN 52 328	80 (1/K x 10 <sup>-6</sup> ) Dimensional stability of the glued Edgeband is good if the appropriate adhesive systems are used.
Resistance to warpage under heat- Vicat B 50	DIN 53 460/ ISO 306	80 (±2) °C

Shrinkage (in %)	Factory standard	< 0.3% Ideally suited to applications in the furniture industry. In critical temperature ranges, the use of a highly heat resistant adhesive is critical for the dimensional stability and temperature resistance of the finished furniture item.
Chemical resistance	DIN 68 861	Very Good- classification 1B Resistant to all standard domestic cleaning agents. Limited resistance to solvents. Tested by LGA Nuremburg.
Static charge		Low
Disposal characteristics		Return system for milling and cutting offcuts.
Physiological characteristics		No known source of harm to general health.

Take care to ensure an appropriate acclimation between the Edgeband and the substrate prior to fabrication. All materials should be conditioned in the same environment for 48 hours before fabrication. Recommended conditioning temperature is about 75°F (24°C). Products should be conditioned at 45% to 55% relative humidity.

#### 4. Warranty

Edgeband products are warranted to the Buyer to be free of defects in material and workmanship for a period of six (6) months from date of purchase. Wilsonart's sole responsibility and liability and Buyer's sole and exclusive remedy for any breach of the foregoing limited warranty shall be the repair or replacement of the defective Product or refund of the purchase price at Wilsonart's option. THE LIMITED WARRANTY GIVEN IN THIS SECTION IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES AND CONDITIONS EXPRESSED OR IMPLIED ON THE PART OF SURTECO. SURTECO DISCLAIMS ANY WARRANTY OR CONDITION, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

##### Cleaning

ABS Edgebands should be cleaned with special plastics cleaners. Highly solvent-based or alcoholic substances should not be used.

#### 5. Technical Services

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 8 am –5 pm, CST.

**Specification Form:**

Surface shall be Wilsonart® Edgeband, produced by Wilsonart LLC, Temple, Texas 76503-6110.

Type: \_\_\_\_\_

Surface

Color Number: \_\_\_\_\_

Color Name: \_\_\_\_\_

Finish

Number: \_\_\_\_\_

Name: \_\_\_\_\_

Edge Trim

Color Number: \_\_\_\_\_

Color Name: \_\_\_\_\_

Adhesive

Name: \_\_\_\_\_

Grade/Type: \_\_\_\_\_

Brand: Wilsonart® Adhesive

Fabrication shall comply with "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute.

Wilsonart® Edgeband Technical Data

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