

Wilsonart® Edgeband Technical Data

1. Manufacturer

Wilsonart International, Inc.
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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 throughcoloured. Consistent throughcolouring of the material means that clean radiusing 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 edgebands, boards or panels and the edgebands should be processed at room temperature (not below 18 °C) if the materials have been stored outdoors, they should be warmed up over night. 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.

Finishes:

Super Matte to High Sheen

Standard Stock Size:

15/16" x .018"

Size Availability:

Width	Typical Thickness	Length of Roll
15/16"	0.18	600 L/F
15/16"	3MM	328 L/F
1-5/16"	.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 ²)
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 ⁻⁶) Dimensional stability of the glued edgeband is good id 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 ²)
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 ⁻⁶) 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. Technical Services

For samples, literature, questions or technical assistance, please contact our toll-free Hotline at (800) 433-3222, Monday through Friday, 7 am –7 pm, CST.

Specification Form:

Surface shall be Wilsonart® Edgeband, produced by Wilsonart International, Temple, Texas 76503-6110.	
Type:	
Surface	
Pattern Number:	
Pattern Name:	
Finish	
Number:	
Name:	_____
Edge Trim	
Pattern Number:	_____
Pattern Name:	_____
Adhesive	
Name:	_____
Grade/Type:	_____
Brand:	_____
Fabrication shall comply with "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guidelines of the Architectural Woodwork Institute.	

Edgeband (TD)

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