

BioEdge® Edgebanding Technical Data

Product Description

BioEdge® Edgebanding is made with BioBest® Biopolymer derived from rapidly renewable corn-based PLA. Whether a new product or retrofitting a used table or cabinet, it is an ideal replacement for PVC, ABS or PP edgebanding. BioEdge edgebanding products have an over 70% bio-based carbon content.

Standard Sizes

Width (inches)							
.5 mm Thickness – Casework Grade							
3/4"		15/16"		1 - 1/8"			
1 mm Thickness - Casework Grade							
15/16"		1 - 1/8"		1 - 1/4"		1 - 5/16"	
2 mm Thickness - General Surface & Casework Grade							
15/16"	1 - 1/8"	1 - 5/16"	1 - 1/2"	1 - 5/8"	1 - 3/4"	2"	2 - 1/4"
3 mm Thickness - Work Surface Grade							
15/16"		7/8"		1 - 5/8"		1 - 3/4"	
				1 - 3/4"		1 - 5/16"	

Roll Dimensions and Specifications

Thickness	Standard Core Diameter	Length per Roll
(mm)	(inches)	(feet)
.500	16	600
1.000	16	400
2.000	16	250
3.000	16	200

Gloss & Texture

BioEdge® edgebanding is available in a BTS standard lightly textured, semi-gloss finish.



Colors

Standard colors: Black, fog grey, platinum grey, grey, almond (2), mushroom, brite white, white, antique white.

Custom colors and color matching: Available for quote

Note: Conduct visual color evaluations under cool white fluorescent lighting.

Application Recommendation

BioEdge® edgebanding can be applied to edges (MDF, wheat board, etc.) using standard edgebanding equipment and a hot melt adhesive, no primer required. Our customers have used several hot melt adhesives including; Jowat 280.30 and 286.80, and Dorus KS-217. BPS recommends all customers test the adhesion with the hot melt they are planning to use. Please contact BPS for further information.

Maintenance of BioEdge® Edgebanding

Clean BioEdge® edgebanding products using normal soap and water. The use of strong solvents such as MEK, toluene, acetone, or paint thinners is not recommended for cleaning.

Application Limitations

BioEdge® edgebanding is manufactured for interior use only. Continuous exposure to sunlight or UV rays may cause change in color over time.

Installation and Warranty

If all guidelines for installation and application of hot melt adhesives to the edging are followed correctly, BioEdge® will remain a permanent component to any casework, cabinetry, or furniture it is applied to. Following above guidelines, the edging will remain on the unit permanently and warranty will be extended to the same timeframe as the end unit.



Processing Properties

PROPERTIES	RESULTS
Bonding radius	Good
Bonding with hot melt adhesive	Good
Buffability	Good
Buffing	Good
Cross-cutting	Good
Cutting radius	Good
Profiling	Good
Scraping	Good
Stock cutting	Good
Susceptibility to cracking	Low

Disposal Properties

METHOD	RESULTS
Compost	Yes
Incinerate	Yes
Land fill	Yes
Recycle	Yes

Utilize disposal methods per local regulations.

Smoke Rating

METHOD	RESULTS
ASTM E84	<30



Working Properties

Properties	Test Standard	BioEdge® Products
Light-fastness for indoors	DIN 53 384C	Indoor applications
Indentation Hardness	DIN 53 456	Hard surface, scratch resistant, mechanical damage can be eliminated by buffing
Shore Hardness D	ASTM D-785	50 to 75
Tensile Strength	ASTM D-638	8,057 to 9,000
Modulus of Elasticity	ASTM D-790	599,000 to 643,000
Linear Thermal Expansion Coefficient	DIN 52 328	TBD
Dart Impact	NEMA LD 3.10	TBD
Resistance to chemicals	DIN 68 861	Good
Surface quality	DIN 68 861	Good

Additional specification results will be available as independent testing is completed. Please contact us if you need specific test results.

Physiological Properties

BioBest® and BioEdge® products are not known to be harmful to general health. See MSDS.

Shipping

- **UPS:** Available for single and twin roll boxes
- **F.O.B.:** Manufacturing point – Blooming Prairie, MN

Terms

Net 15 days.

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BioBest® Biopolymer-Patented Product