

DuPont™ Butacite®

PVB SAFETY GLASS INTERLAYERS

DuPont™ Butacite® polyvinyl butyral (PVB) thermoplastic sheeting is pliable, tough and used worldwide as an interlayer in laminated safety glass.



DuPont PVB interlayers deliver proven, consistent performance in architectural glass and transportation applications.

Supplied to glass laminators as rolled sheet material, DuPont™ Butacite® PVB interlayers are available in clear sheet form, and in time-proven colors serving architectural and automotive safety glass markets.

Automotive compositions: Butacite® B551, B552 and B553

Rolls are formulated for controlled adhesion to glass, and optimum impact performance in laminated, highly penetration-resistant windshields.

- B551: Smooth pattern
- B552: Universal pattern
- B553: Rough pattern

Type	Color Description	Color Code	Standard Roll Length
Clear	Clear	NC 010	250 m or 500 m (820 ft or 1640 ft)
Solid Colors			
	Charcoal Gray Light Transmittance = 18%	0741800	250 m or 500 m (820 ft or 1640 ft)
	Murano Green Light Transmittance = 80%	1378000	250 m or 500 m (820 ft or 1640 ft)
Gradient Tinted On Clear Sheets			
	Gray on Clear	8003510	250 m or 500 m (820 ft or 1640 ft)
	Blue on Clear	8100506	250 m or 500 m (820 ft or 1640 ft)
	Green on Clear	8312512	250 m or 500 m (820 ft or 1640 ft)

Roll Packaging: 250 m (820 ft) rolls = 4 rolls/case; 500 m (1640 ft) rolls = 2 rolls/case
(All automotive compositions are 0.76 mm (30 mil) caliper)



The miracles of science™

All DuPont™ Butacite® compositions are formulated to absorb nearly all naturally occurring ultraviolet (UV) radiation from sunlight. Glass laminates containing Butacite® polyvinyl butyral sheeting give long-term stability in outdoor service, with built-in UV filtering of clear sunlight.

Standard Packaging

To prevent blocking, Butacite® PVB sheet is supplied either:

1. refrigerated, i.e. maintained between 2°C and 10°C (36°F and 50°F); or
2. interleaved, i.e. separated with thin PE film.

Sheeting is wound on 152-mm (6-in.) inside diameter (I.D.) cores.

Rolls are packaged in single boxes (horizontal) for widths above 165 cm (65 in.). Smaller widths are normally shipped in 4-roll cartons packed vertically on a pallet.

Two-roll packages are also available for 500-m (1640-ft) length rolls.

The interlayer is protected from moisture changes during shipping and storage by a moisture-barrier bag. Once the package has been opened, the roll should be stored in an environment close to 30% relative humidity.

The product weight per roll for Butacite® interlayer may vary slightly according to roll length, width and caliper as these three measurements can be different per roll based on our published specifications and tolerances. The net weight shown on our product labels is an estimate based on our average tolerances and consequently may be different from the true net roll weight. As Butacite® is sold per square meter (square feet) this slight net weight variability does not affect the cost of the product.

Architectural compositions: Butacite® B50

Grades can be obtained in all standard architectural thicknesses up to 2.28 mm (90 mil). Sheet properties have been developed to meet the requirements set in the major code systems worldwide (ISO, CEN, ASTM, JIS etc.)

Uniformly-colored compositions: Butacite® B51 and B52

Butacite® B51 and B52 are designed for use in architectural and transportation glazing where reduced light-transmittance is desired.

Description	Product code	Color code	Thickness, mm (mil)	
Clear	B51	NC 010	0.38 (15)	
	B52	NC 010	0.76 (30)	
	B53	NC 010	1.14 (45)	
	B54	NC 010	1.52 (60)	
	B56	NC 010	2.28 (90)	
	Uniformly colored	Azure Blue - LT: 76%	B51	0637600
Bronze - LT: 52%		B52	0645200	0.76 (30)
Dark Blue* - LT 50%		B51	0635000	0.38 (15)
Gray - LT: 44%		B51	0654400	0.38 (15)
Light Blue-green LT: 73%		B51	0377300	0.38 (15)
		B52	0377300	0.76 (30)
Soft White* - LT: 80%		B51	0218000	0.38 (15)
Translucent White - LT: 65%		B51	0216500	0.38 (15)
		B52	0216500	0.76 (30)

*Available by special order; contact your DuPont Glass Laminating Solutions sales representative.

Uniformly colored and gradient tinted Butacite® color code numbers

The first three digits of the seven-digit product number define the color formula. The 4th and 5th digits define the visible light transmittance in the darkest region. The 6th and 7th digits describe color gradation in inches, plus the number of eighths of an inch of fadeout from the 40% to 70% transmittance point.

For example:

Code	Color	% Transmittance	Fadeout
1378000	137 Green	80%	00 (no shade band)
0100506	010 Blue band	05%	06 19 mm (0+6/8 inches)

Maximum Width Information

Roll widths are variable from 23 cm (9 in.) to the following:

- Clear:** 321 cm (126 in.) maximum
- Colors:** 321 cm (126 in.) maximum
(greater width than 250 cm (100 in.) upon request)

Gradient tinted: Maximum total width = 168 cm (66 in.)

Maximum standard* bandwidth = 51 cm (20 in.) overall

Maximum clear width = 130 cm (51 in.)

Minimum band width = 7.5 cm (3 in.)

*Wider bandwidths, up to 66 cm (26 in.), are available by special request.

NOTE: Metric dimensions for gradient tinted are rounded to the mm, i.e. orders are placed and manufactured according to inch measurements.

Adhesion Types

Several adhesion types of Butacite® are available, tailored to the needs of each lamination process. Please contact your technical representative to select the right product.

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CAUTION: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see DuPont Medical Caution Statement, H-50102.

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