EVERLAM™ PVB INTERLAYER PRODUCT FACT SHEET

EVERLAM™ POLYVINYL BUTYRAL (PVB) interlayer is a brilliant solution for making long-lasting, superior laminated safety glass.

A highly adhesive, elastic, strong and durable plastic material, EVERLAM™ PVB interlayer exists as clear or colored, in different thicknesses. It is used by glass laminators worldwide to produce the attractive,high-quality and durable laminated safety glass required to meet stringent indoor and outdoor architectural application standards.

Safety
- Absorbs impact energy
- Resists penetration
- Maintains shattered glass fragments together

Security
- Resists burglar intrusion and violent attacks
- High performance configurations provide bullet and blast resistance

Sound protection
- Reduces sound transmission
- For use in noisy environments

UV protection
- Blocks UV transmittance
- Protects people and objects from potentially damaging rays

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EVERLAM™ CLEARVIEW

PRODUCT	PRODUCT CODE	COLOR CODE	LIGHT TRANSMISSION (%)	THICKNESS (MM)
Standard clear	LAM51	NC010	>88	0.38
	LAM52	NC010	>88	0.76
	LAM53	NC010	>88	1.14
	LAM54	NC010	>88	1.52
Translucent White	LAM51	0216500	65	0.38
	LAM52	0216500	65	0.76
Satin White	LAM52	0217300	73	0.76
Super Tough	LAM72	NC010	>88	0.76
Standard Grey	LAM51	0654400	44	0.38
	LAM52	0654400	44	0.76
Grey*	LAM51	0655500	55	0.38
Solar Grey*	LAM51	1654400	44	0.38
Light Blue Green	LAM51	0377300	73	0.38
	LAM52	0377300	73	0.76
Bronze	LAM51	0645200	52	0.38
	LAM52	0645200	52	0.76

*: under exclusivity

ROLL SIZES AND PACKAGING

ROLL WIDTH	PVB THICKNESS		ROLL LENGTH	
Increments from 60 to 321 cm / 23 in 5/8 to 126 in 3/16	0.38 mm	15 gauge	400 m	1,312 ft
	0.76 mm	30 gauge	200 m	656 ft
	1.14 mm	45 gauge	166 m	545 ft
	1.52 mm	60 gauge	125 m	410 ft
321 cm / 126 in 3/16	0.38 mm	15 gauge	500 or 1,000 m	1,640 or 3,280 ft
	0.76 mm	30 gauge	250 or 500 m	800 or 1,640 ft
	1.14 mm	45 gauge	355 m	1,099 ft
	1.52 mm	60 gauge	125 or 250 m	410 or 820 ft

The interlayer is wound on 152 mm / 6 in inner diameter cores. Rolls are packed and shipped as follows:

- Roll widths of 140 cm / 55 in or greater are packed and shipped in single-roll, horizontal crates.
- Smaller width rolls are normally shipped in 4-roll package, packed vertically on a pallet.

To prevent difficulty of unwinding rolls, EVERLAM™ PVB interlayer is supplied either:

- Refrigerated, i.e. maintained between 2°C / 35°F and 10°C / 50°F.
- Interleaved, i.e. separated with a thin PE film and stored between 4°C / 39°F and 30°C / 86°F.

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.

EVERLAM™ CLEARVIEW TYPICAL PROPERTIES

Physical properties

GROUP	PROPERTY	TEST METHOD	UNITS	TEST CONDITIONS	TYPICAL VALUE
Physical	Specific gravity	ASTM D792	-	23°C	1.065
	Moisture content	NIR	%	-	0.45
	Specific heat	ASTM E1269	J/Kg°K	50°C	2091
Mechanical	Tensile strength	EN ISO 527	MPa	24°C/30% RH	22.3
	Poisson's Ratio	ASTM D638	-	23°C/50% RH	0.48
	Tear resistance	ASTM D1004	N	Tested to failure on an Instron UTM using a 500 N load cell at a rate of 2.00 in/min.	19.85
	Elongation at break	EN ISO 527	%	24°C/30% RH	198
Optical	Light transmission	EN410	%	-	>88
	UV transmission	ISO 9050	%	-	<1.5
	Haze	ASTM D1003	%	-	< 0.4
	Yellowness	ASTM 1925	-	Normalized to 10 mm thickness	< 7.5
Thermal	Glass transition temperature (Tg)	DMA	°C	1 Hz at 3°C/min Maximum phase angle	30 ± 1
	Thermal conductivity	ASTM D5930	W/m°K	30°C	0.2
	Thermal expansion coefficient	ASTM E831	10-6/°C	0-50°C	469
	Self-ignition temperature	ASTM D1929	°C	Specimen placed in vertical tube in a hot-air ignition furnace	362
	Emissivity	ASTM C1371	-	22 °C	0.92

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