

SGP INTERLAYER Made in China, Not Dupont, Not Kuraray, but China Brand

SGP ionoplast Interlayer for Structural Laminated Safety Glass

SGP: 100 times stiffer and 5 times stronger than PVB used as anti-explosion or anti-hurricane solution

Made In China

Replacing "Dupont" Kuraray SGP

Color: Super clear

Thickness: 0.76mm

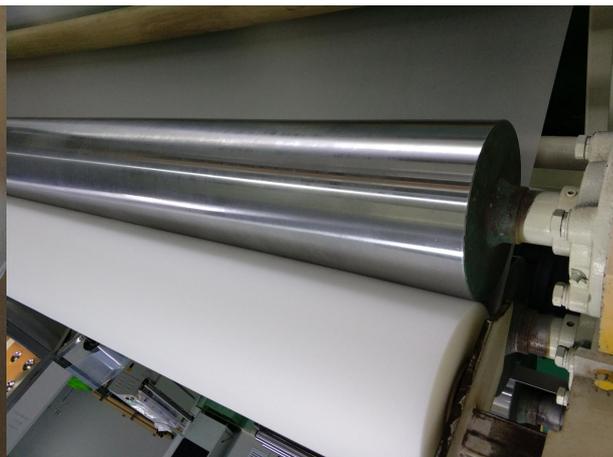
Width: 1650mm, 2000mm or 2440mm

Liner length per roll: 50M, 100M, 150M or 200M

Thickness: 1.14mm

Width: 1650mm, 2000mm or 2440mm

Liner length per roll: 50M, 100M, 150M or 200M



Recipe of Heating SGP INTERLAYER Laminated Glass in EVA Vacuum Ovens

Please note that Not all EVA vacuum oven can laminate SGP interlayer, some can, some can not.

【1】 The EVA ovens may work slightly differently, so you need to do some adjusting by yourselves based on real situations.

【2】 Vacuum pressure: should be stronger than 101 kPa

【3】 Low temperature stage:
Cold vacuuming for 5 mins
10mins heating up to 65°C
Holding at 65°C for 30mins

【4】 High temperature stage(Cooking time) : at 135 degrees C for 3.5 hours

【5】 Always put only one piece of pre-SGP laminated glass per vacuum bag, you can not stack or place multiple pieces in one bag(or you may have bubbles problem).

The above data is based on [6mmGLASS+0.76mmSGP+6mmGLASS], if you laminating thicker interlayer or thicker glass, please keep the same temperature, but prolong the holding time for high temperature stage by 10-30mins.

Contact us, if you need help:

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Autoclave Heating Cycle Recipe of SGP Laminated Glass Process Guide

【1】 Laminating room:

Temperature: 22°C - 28°C Humidity: 18% - 28%

【2】 Rolling: the glass surface temperature after rolling should be:63±8°C

【3】 Autoclave:

Temperature:135°C(no over 137.8°C) Pressure:180–200psi (12–14 bar) Time:60 minutes(can be longer) Cooling speed:3°C/MIN

Datasheet of SGP Interlayer

Item	CNC SGP	Certification of Detection	Kuraray SGP	Certification of Detection
Tear Strength	165.4KN/m (1.54mm)	ASTM D-624	50MJ/m ³ (2.3mm)	ASTM D-638
Tensile Strength	37.7Mpa	ASTM D-638	28.1Mpa	ASTM D-638
Elongation at Break	330% (1.54mm)	ASTM-412	400% (2.3mm)	ASTM-412
Proportion	0.95	ASTM-792	0.95	ASTM-792
Haze	<0.3%	JC/T 2166-2013	<0.2%	JC/T 2166-2013
Yellow Index	<1.5	JC/T 2166-2013	<0.7	JC/T 2166-2013
Refractive Index	1.5	JC/T 2166-2013	1.5	JC/T 2166-2013

Transmittance	88%	JC/T 2166-2013	89%	JC/T 2166-2013
UV Block	99.90%	GB15763.3-2009	99.90%	GB15763.3-2009
Moisture Content	<0.08%	JC/T 2166-2013	<0.2%	JC/T 2166-2013
Knock Value	≥7	JC/T 2166-2013	≥7	JC/T 2166-2013
Melting Point	470°C	ASTM D-1929	470°C	ASTM D-1929
Thermal Contraction	≤3%	JC/T 2166-2013	≤3%	JC/T 2166-2013

If you want to order, please simply send us an email.

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