



PRODUCT DATA

EDGE SEAL PLUS

EdgeSeal Plus is a co-extruded, multi-layer EDGE SEAL BAND for glass and glass-plastic laminates.

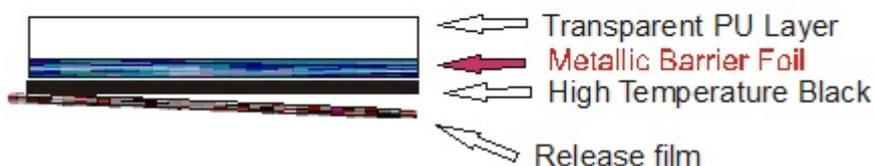
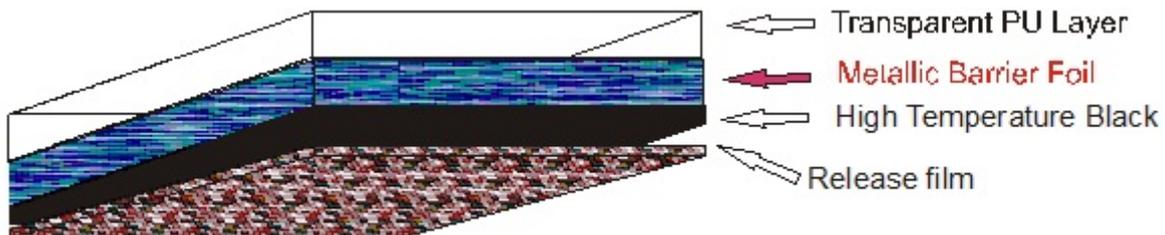
EdgeSeal Plus is a unique, PATENTED Tri-layer complex, containing a Metallic Foil, which provides a TOTAL BARRIER to infiltration of moisture, solvents, plasticizers and oils as well as other corrosive materials

EdgeSeal Plus is specially designed to prevent migration of the black layer into the laminate interface. The Black side of the band is a High Melt Temperature Polyurethane which remains intact during the melting and fusing of the Transparent side to the edge of the laminate.

EdgeSeal Plus provides shock protection to the edges of glass and glass - plastic composites, and guards against infiltration of moisture or solvents, plasticizers, etc from sealants and adhesives.

EdgeSeal Plus is designed for application during autoclaving of laminated glass and plastic composites.

EdgeSeal Plus consists of Two layers of polyurethane which sandwich a metallic foil, to form an integral complex. A polyethylene release film is applied to the BLACK side of the band



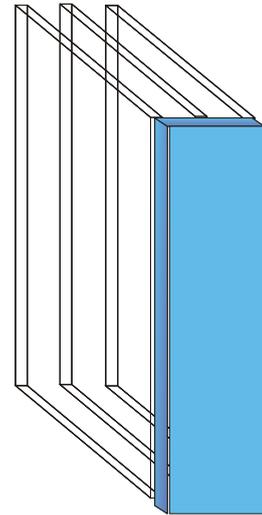
APPLICATION:

Application of *EdgeSeal Plus* is simple.

The band is applied with the “Grooved” surface against the glass or glass/Plastic edge of the composite.

This is the Clear Polyurethane, and will adhere to the edge during autoclave. Note: The Grooved surface facilitates “de-airing”.

The band is affixed to the glass edge by means of tape to secure it in place during autoclaving.



The protective Release film is on the BLACK side of the band, and may be removed prior to autoclaving, or left in place.

If it is removed prior to autoclaving, a fine weave Nylon scrim can be used to cover the band. This will improve the appearance after autoclaving, and prevent adhesion of the band to vacuum bags or air-weave materials.

Physical Properties:

Polymer: Double layer of Polyurethane, with middle layer of Metallic Foil.

Clear layer: Transparent polyurethane containing silane for improved adhesion to glass and plastic.

Metallic Foil Layer

Black Layer: High Melt Temperature Polyurethane: compounded black. Contains no foreign pigment binders, or plasticizers.

Physical Form: Tri-Layer Extruded band.....With Polyethylene release film on Black Side.

Film Thickness: 1.4 mm total
 Film Width MASTER ROLLS 1000MM WIDTH
 Roll Length 37meters
 Band Configuration: **Any width slit from Master roll**
 Autoclave Temperature range: 95 - 140 °C

PHYSICAL PROPERTIES

Property	Test Method	Value	
Adhesive layer melt index (177°C)	ASTM D-1238	5g/10 min. @ 350°F	
Average peel	ASTM D-3167	>150 pli	
Permeation	Modified E-96	g/sq meter/week	
Moisture	Competition	10	
	<u>EdgeSeal Plus</u>	0.5	Δ=2000%
MEK	Competition	20	
	<u>EdgeSeal Plus</u>	2	Δ=1000%

