

CRANEGLAS™ 230 SERIES FOR PHOTOVOLTAIC MODULE GLASS SCRIMS

OUR CRANEGLAS™ 230 SERIES IS THE PERFECT FIT FOR PHOTOVOLTAIC MODULE GLASS SCRIMS

GESSNER has over 40 years' experience in the development and refinement of CRANEGLAS™ nonwoven materials. With their thermal stability, corrosion resistance, uniformity, absorbency and other properties, CRANEGLAS™ nonwovens are in demand by a wide range of industries throughout the world.

For more than 30 years, CRANEGLAS™ 230 PV Module Glass Scrim has been used by the solar energy industry for its ability to solve production problems while improving PV panel quality and performance. This specialized scrim is well suited to the manufacture of large, rigid, high quality PV modules for critical installations, as well as flexible modules for smaller solar energy applications.

OUR BENEFITS

- Efficient outflow of remaining air and other gases
- Prolonged the life of photovoltaic modules
- superior thermal / flammability resistance of CRANEGLAS™ provides an added layer of safety
- Dimensionally stable
- Low Thermal Conductivity
- Specialty Coatings Available
- Accommodating Small Minimum Order Quantities



CRANEGLAS™ 230 PV Module Glass Scrim brings numerous benefits to PV module manufacturing, especially during the crucial encapsulation/lamination process. The scrim provides effective air/gas vacuation from the module assembly while increasing bond strength and uniformity.

This delicate balance is achieved whether using the scrim as a separate layer or as a laminated/EVA scrim assembly. The end result is a superior product with long-lasting, dependable performance. It provides either manufacturing benefits but also cost benefits.

COST BENEFITS

- Minimizes Warranty Issues – assures minimal warranty claims with better quality and performance
- Raises QA Levels - provides better control over the entire lamination process
- Improves Productivity – increases throughput with a faster manufacturing cycle time
- Reduces Rejects – minimizes flaws and keeps rejects to a minimum

MANUFACTURING BENEFITS

- Arrests Cell “Swimming” – prevents shorts caused by cell movements
- Eliminates Air Bubbles – creates release space for air flow to stop bubbles from forming during lamination
- Stops EVA Deformation – stabilizes EVA film to minimize shrinkage and overflow
- Improves Durability – improves cut-through/ shock resistance for thin-film flexible modules
- Positive Spacing – enhances connection variability because of EVA thinning during lamination

MAKING CRANEGLAS™ 230 PV MODULE GLASS SCRIM AN INTEGRAL PART OF THE SOLAR PANEL ASSEMBLY IMPROVES THE MANUFACTURING PROCESS OF BOTH RIGID AND FLEXIBLE SOLAR MODULES

