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The Many Uses of EVA Film

One copolymer, several serious jobs

EVA film is used in more than one industry, and that breadth sometimes leads to catalogues of shoes, bags, and packaging being presented as if they were the main story. Those uses of the copolymer exist. In our work, the uses that matter are laminated glass, photovoltaic encapsulation, and the decorative or switchable stacks that sit between them. This note keeps those duties at the center.

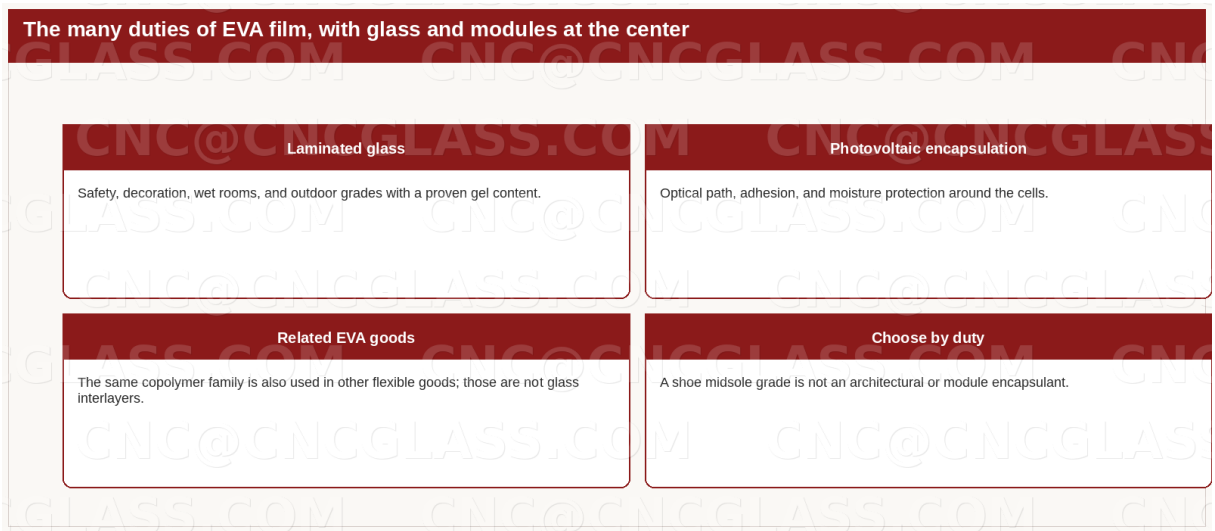


Figure 1. Principal uses of EVA film in our field: laminated glass, photovoltaic encapsulant, and decorative or switchable stacks, with a note that the copolymer also appears in other industries.

Glass, modules, and a brief wider context

In laminated glass, EVA is the moisture-tolerant interlayer for vacuum-furnace work, decorative inserts, and many outdoor or wet-edge plates. In photovoltaics, it is the usual encapsulant that bonds cells to glass, keeps the optical path open, and stands between the circuit and weather. Decorative EVA and, where specified, PDLC-related stacks extend the same chemistry into partitions and privacy glass. Those three uses share a need for controlled gel content, cleanliness, and a proven cycle.

The same copolymer is compounded into foams, soles, and packaging elsewhere. Acknowledging that fact is honest; making a footwear catalogue the main message of a glass or module article is not. When we speak of the many uses of EVA film, we mean the many constructions in which a clear, adhesive, cross-linkable sheet earns its place, starting with glass and solar work.

EVA film has many uses, but the ones that define it for us are laminated glass, photovoltaic encapsulation, and related decorative or switchable stacks. Wider copolymer uses exist; they should not crowd out the technical duties.

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We supply EVA film for laminated glass and can discuss encapsulant and decorative grades as well.