



Advanced Eva-Based Encapsulants: Final Report, January 1993-June 1997 (Paperback)

By National Renewable Energy Laboratory (NREL)

Bibliogov, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This report describes work performed by STR, Inc., under this Photovoltaic Manufacturing Technology (PVMaT) subcontract. The purpose of the three-phase PVMaT program was to further define the problem of EVA-based PV encapsulant yellowing in fielded modules, research possible chemical mechanisms, and then combat the yellowing phenomenon by developing advanced PV encapsulants. Phases I comprised a literature search on EVA-based encapsulant browning, survey of and site visits to installations reporting discolored encapsulant in fielded modules, and analysis of browned EVA-based encapsulant. During Phase II, development work, including reformulation, resulted in four experimental encapsulants with greatly reduced browning. After 40 weeks in the Weather-O-Meter, glass/glass laminates prepared with new formulations (standard and fast cure) showed no visible yellowing. During Phase III, these four experimental EVA-based encapsulants from Phase II were successfully prepared on a pilot scale using production equipment, and the resulting sheet was used, without significant problems, by six different module producers to fabricate full-size modules.



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Reviews

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Comprehensive guide! Its this type of very good read through. It is actually writter in simple words and phrases rather than difficult to understand. It is extremely difficult to leave it before concluding, once you begin to read the book.

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