

The Right Mix

Better together: Blending our expertise for you

nexeo[®]
plastics

Solutions for Solar Energy Applications

Partnering to Improve Solar Energy Module Efficiency and Durability

CUSTOMER CHALLENGE:

A global, leading photovoltaic manufacturer faced challenges in enhancing the performance and longevity of their solar modules while ensuring regulatory compliance and cost-effectiveness. Their goal was to improve module durability, reduce energy losses, and increase overall system efficiency in a competitive renewable energy market.

ACTION TAKEN:

Nexeo Plastics collaborated with key suppliers and the customer to identify material solutions with high UV stability, superior insulation properties, and optimal processing characteristics. Together, they evaluated and validated advanced polymer compounds tailored for solar panel backsheets and junction boxes.

Through application development support, lab testing, and material selection expertise, Nexeo facilitated the integration of materials that met stringent technical, safety, and sustainability standards.

RESULTS

- Improved product performance and thermal stability in solar modules
- Enhanced weather resistance, reducing maintenance costs
- Shortened development timeline with faster material validation
- Strengthened market competitiveness through innovative materials

Featured Product: XYRON™ (Modified PPE resin) by Asahi Kasei



Discover how we can help you overcome your material, process, and application challenges.



1.833.446.3936 | nexeoplastics.com | mynexeo.com

All statements, information and data presented herein by Nexeo Plastics are believed to be accurate but are not to be taken as a guarantee or other representation for which Nexeo Plastics and its affiliates and subsidiaries assume legal responsibility.

NEXEO PLASTICS EXPRESSLY DISCLAIMS ANY AND ALL WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARISING OUT OF ANY USE OF THE PRODUCTS OR SERVICES IDENTIFIED HEREIN OR RELIANCE ON ANY INFORMATION PROVIDED HEREIN.

All statements, information, recommendations and products must be thoroughly evaluated and verified by the end user to determine their applicability or suitability for each particular use. Typical values are indicative only and are not to be construed as being binding specifications.

* Trademark owned by a third party

©2025 Nexeo Plastics, LLC. All Rights Reserved.

20250424