

3M Introduces Two New Solar Encapsulant Films

Solar films provide superior PID resistance and increased power for solar modules

After debuting 3M™ Solar Encapsulant Film EVA9000 last year, 3M Renewable Energy Division has continued development on the innovative technology, and is now introducing two new products—3M™ Solar Encapsulant Film EVA9100 and 3M™ Solar Encapsulant Film EVA9110T. Both products provide superior PID (potential reduced degradation) resistance and electrical properties, enabling longer module life. 3M Solar Encapsulant Film EVA9110T also provides the additional benefit of higher power output due to its ability to transmit wavelengths below 350 nm.

The new 9100 series films take module efficiency to the next level, providing low water absorption and high volume resistivity in addition to their better PID resistance. The films are designed for easy manufacturing and are compatible with most existing lamination machines and processes. A wide process window gives manufacturers the ability to adapt the products to different processes, increasing versatility.

3M™ Solar Encapsulant Film EVA9100 and 3M™ Solar Encapsulant Film EVA9110T provide durable bonding strength with both glass and backsheets, and also have enhanced UV and damp heat stability. With tunable high transmission, EVA9100 series films help maximize power output, and their resistance to weathering helps provide outstanding reliability and a long service life. Furthermore, excellent dimensional stability helps avoid cracked and shifted cells.

Both films are now commercially available, and 3M representatives will be on site to answer questions about them at booth number 426 at the Solar Power International show, October 21-24 in Chicago, Ill.

For more information, please visit: www.3M.com/Solar

About 3M 3M captures the spark of new ideas and transforms them into thousands of ingenious products. Our culture of creative collaboration inspires a never-ending stream of powerful technologies that make life better. 3M is the innovation company that never stops inventing. With \$30 billion in sales, 3M employs 88,000 people worldwide and has operations in more than 70 countries. For more information, visit www.3M.com or follow @3MNews on Twitter.

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