



ENGAGE™ PV POLYOLEFIN ELASTOMERS THE MATERIAL OF CHOICE FOR PHOTOVOLTAIC ENCAPSULANTS

COMPARATIVE YELLOWING PER SUPER UV TESTING

ENGAGE™ PV POLYOLEFIN ELASTOMERS

Photovoltaic module, top layer glass with ENGAGE™ PV POE-based encapsulant film



0 MJ UV Energy
(0 hours)



900 MJ UV Energy
(170 hours)



1800 MJ UV Energy
(342 hours)



2700 MJ UV Energy
(508 hours)

EVA

Photovoltaic module, top layer glass with EVA-based encapsulant film



0 MJ UV Energy
(0 hours)



900 MJ UV Energy
(170 hours)



1800 MJ UV Energy
(342 hours)



2700 MJ UV Energy
(508 hours)

ENGAGE™ PV POEs help photovoltaic encapsulants remain clear longer than EVA for greater efficiency over time.

TESTING METHOD

The laminate samples were exposed in an Eye Lighting SUV-161 tester with a metal halide light source that simulates the UV irradiance distribution of natural sunlight. The laminate samples were placed on a black substrate with a temperature of 75°C at 70% RH.

The combination of the UV and heat in this test is approximated to represent a **20-year** UV/heat degradation (very rough estimation).

For more information, contact your Dow representative, visit www.dowpv.com, or call the nearest location listed on the back.

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Published April, 2017.

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