

POLYOLEFIN ELASTOMERS AS BUILDING BLOCKS FOR PHOTO-VOLTAIC ENCAPSULANT FILM

SABIC FORTIFY™ POE ELASTOMER

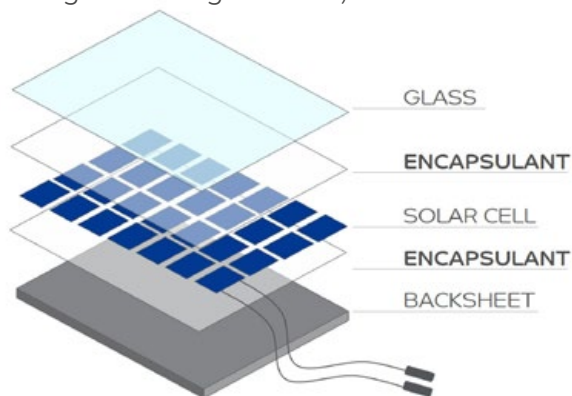
SABIC FORTIFY™ C5075DP AND C13075DP ELASTOMERS

INDUSTRY CHALLENGE

An encapsulant is used to provide adhesion between the solar cells, the top surface and the rear surface of the PV module. For the bifacial glass-glass PV panels, the encapsulant should be stable at elevated temperatures and high UV exposure and should have a low thermal resistance. Bifacial glass-glass PV panels require improved properties compared to commonly used EVA (ethyl vinyl acetate) based encapsulants.

SABIC SOLUTION

SABIC FORTIFY™ (POE) elastomers used for encapsulant films in bi-facial high-power glass-glass PV panels combine outstanding stability at elevated temperatures and UV exposure with improved potential induced degradation (PID) performance compared to commonly used EVA (ethyl vinyl acetate) based encapsulants. PID performance of SABIC's elastomers for encapsulants in PV panels help the power of the module over time, maintaining low leakage current, thus extended service life.



GOOD ELECTRICAL
PERFORMANCE



MOISTURE
RESISTANCE



OPTICAL
PERFORMANCE



FLEXIBLE

[CLICK HERE](#) FOR MORE INFORMATION

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