Double glass module cross-linking degree

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The degree of cross-linking, or gel content (GC), is determined from the mass ratio before and after extraction of the samples. The analytical methods for determining the GC value are described for ...

"The two DSC methods are complementary and offer the possibility of double-checking the cross-linking degree of a given sample."

For an unfilled thermosetting polymer, the percentage of crosslinking (also called the crosslinking density) can be quantitively calculated using both rheological and DMA measurements.

The degree of curing depends on all parameters mentioned above. Since all parameters are equally important for the module"s reliability, pressure alone can affect the quality of the product.

In this study, thermocouple measurements were conducted to obtain temperature profiles and assess the degree of encapsulant crosslinking in glass-backsheet and glass-glass (GG) modules...

Hence, the key objective of this paper was to evaluate and compare the various possible methods using a unified set of traceable EVA test samples covering the full range of realistically ...

Additionally, the influences of the degree of crosslinking and moisture ingress on the degradation of the PV modules were analysed regarding the module"s performances and peel forces.

Crosslinking degree refers to the mass ratio of linear molecules that crosslink into network like molecules when EVA film is heated.

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