

Which polymer blend is feasible for photovoltaic modules?

It was concluded that the polymer blend with a mass ratio of m POE/m LLDPE/m TBEC/m KH570= 95:5:1.5:0.6 and taking the transmittance of 86.4% and the peel strength of 65.2 N cm⁻¹, which used as encapsulant material was feasible for the photovoltaic modules.

Are synthetic polymers a good encapsulation material for PV modules?

Synthetic polymers have been playing an increasingly important role as the encapsulation materials in PV modules in recent years [5,6].

Does the peel strength of polymer blends change with the content of LLDPE?

It was shown that the peel strength of polymer blends changed with the content of LLDPE in the polymer blend with a mass ratio of mPOE /mLLDPE /mTBEC = 100: n:1.5, in which the n represented the mass parts of LLDPE that was added into POE for each appointed formula of polymer blends.

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