

B601R

BLACK INFRARED REFLECTIVE ENCAPSULATION FILM

B601R series is a black adhesive film specially developed for encapsulation between backsheets and solar cells of single-glass and double-glass photovoltaic modules.

B601R black adhesive film has the same hue as solar cells and has a beautiful appearance. Its unique infrared high reflection performance can improve the effective utilization rate of visible light and help to increase the power yield of the module. At the same time, the product solves the problem of black film overflow after laminated, and has the characteristics of high reflectivity retention rate and low attenuation rate on peel strength.



Category

Item	Normal Spec	Customized Spec
Thickness	0.45mm/0.5mm/0.55mm/0.65mm	0.2~0.8mm
Width	970~1020mm	300~1300mm
Length	150m	150m/350m/400m

Technical Properties

Items		Unit	Test Standard	B601R
Model/Using Instruction		/	/	Black EVA Film
Shrinkage	MD	%	GB/T29848	≤3.0
	TD	%	GB/T29848	<2.0
Adhesion	EVA/Glass	N/cm	GB/T29848	≥60
	EVA/Backsheet	N/cm	GB/T29848	≥60
Gel Content		%	GB/T29848	>75
Volume Resistivity		Ω·cm	GB/T29848	>1*10 ¹⁴
Reflectivity	760-1100nm	%	Baijia Method	≥70
Pre-crosslink Degree		%	Baijia Method	<40

Laminating Process

Laminated Parameters		Temperature (°C)		Vacuum Time (S)		Lamination Time (S)	
/		Single	Double	Single	Double	Single	Double
Single Chamber Laminator		142~148	140~148	300~360	300~360	600±120	1080±120
Double Chamber Laminator	A Cavity	120±15	120±15	300±120	300±120	180±60	180±60
	The Second Chamber	145±10	145±10	10~30	10~30	480±60	480±60

The technical parameters in Betterial product manual are for reference only. Technical specifications are subject to change without any prior notice.

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