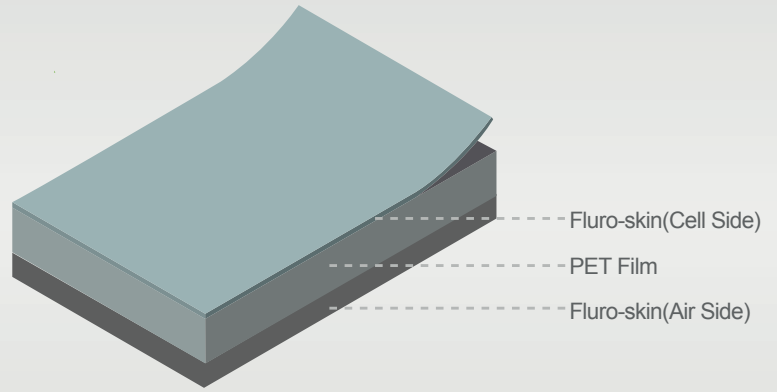


Cynagard 255

FPf



Application for
1500V Modules

White、Black

Cynagard 255 is a FPf structure with fluro-skin on both sides of backsheet, and core "P" standing for PET. Outer "F" and inner "F" are fluorine films, patented by Cybrid.



Product Features



Double layer with Fluorine Film



Excellent damp heat resistance



Excellent thermal resistance



Excellent UV Blocking



Application for roof



Excellent thermal conductivity

Storage conditions



Avoid direct sunlight



25±15°C ,55±15%RH



12 months shelf life

Package



200 m/roll, outlayer air side



3 Inch core (DN80)



400 m/roll, outlayer air side

Precautions



Make clearly product's inner Layer shall be faced to EVA side before usage



Use up swiftly once the original package is opened. Unused product should be repacked



Avoid contact with bare hands, water, oil, organic solvents and other chemicals



To avoid damaging the surface, do not contact backsheet with sharp objects

ITEM	UNIT	VALUE	STANDARD	
Product thickness	μm	304	ASTM E252	
Tensile strength (MD/TD)	MPa	MD≥100、TD≥100	ASTM D-882	
Elongation of break (MD/TD)	%	MD≥100、TD≥80	ASTM D-882	
Heat shrinkage(MD TD) 150 C *30min	%	≤1.5	ASTM D1204	
Fluorin skin/PET film adhesive	Level	0	ISO 2409(Cross-Cut Method)	
BS/EVA peel strength	N/1.5cm	≥60	ASTM D903	
Inner layer reflectivity	%	≥75	Cybrid Method	
Falling sand test	L	≥50	ASTM D968	
WVTR 38℃ 90%RH	g/m ² ·day	≤2.0	ISO 15106.3	
SI cohesiveness	—	Well	UL 1703	
Breakdown voltage	KV	≥20	ASTM D-149 (Air)	
Partial discharge	VDC	≥1500	IEC 60664-1	
TI	℃	125	IEC60216	
FSI	—	< 100	ASTM E162	
DH (1000H)	Yellow Index	—	≤2.0	ASTM E313
	Fluorin skin/PET film adhesive	Level	0	ISO 2409(Cross-Cut Method)
	Elongation of break	%	≥50	ASTM D-882
UV (90KWH)	Yellow Index	—	≤2.0	ASTM E313
	Fluorin skin/PET film adhesive	Level	0	ISO 2409(Cross-Cut Method)
	Elongation of break	%	≥50	ASTM D-882
TC (200circle)	Yellow Index	—	≤2.0	ASTM E313
	Fluorin skin/PET film adhesive	Level	0	ISO 2409(Cross-Cut Method)
	Elongation of break	%	≥50	ASTM D-882
HF (10circle)	Yellow Index	—	≤2.0	ASTM E313
	Fluorin skin/PET film adhesive	Level	0	ISO 2409(Cross-Cut Method)
	Elongation of break	%	≥50	ASTM D-882

Note:Test condition: Temperature 23±2℃,Humidity50±15%RH

The specifications and key characteristics covered in above datasheet may vary slightly with continuous innovation and improvement in comparison to actual product. Cybrid reserves the right to adjust above information accordingly at any time without prior notice