

KNACK ENERGY Pvt. Ltd.

Empowering the future...

Solar Backsheet

KNACK BS FC T15

It is a fluoro based weather stable transparent backsheet suitable for 1500VDC bifacial solar module. It is designed uniquely with air side fluorine coating, center PET and cell side high bonding Knack specialized primer layer. It has excellent thermal dimension stability which provides wide processing window to users. It gives excellent moisture and chemical resistance. It offers high abrasion resistance and excellent adhesion with Encapsulants. It can be used for all crystalline PV module manufacturing.



Ph: +91-7984065987, Ph: 79-27451130/31



info@knackenergy.com



www.knackenergy.com

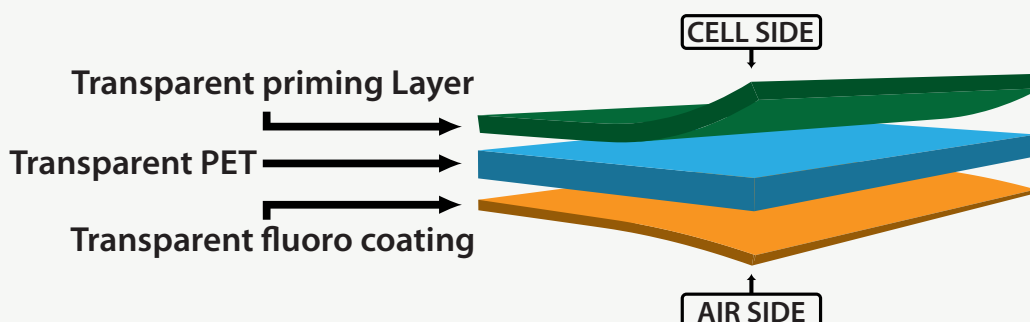
Office: 330/A, Third Floor, Kalasagar Mall, Opp. Saibaba Temple, Near Sattadhar Cross Road, Ghatlodiya, Ahmedabad - 380061 Gujarat, India.

Factory: Plot No. 31/A, Kamla Amrut Industrial Estate, Survey No. 252, Near Hitachi Johnson, Budasan, Ta:Kadi, Dist:Mehsana - 382715. Gujarat, India.

KNACK BS FC T15

PROPERTIES

Properties	UOM	Test Method	KNACK BS FC T15	
Thickness	μm	Micrometer	340 ± 5%	
Width	mm	Scale	Up to 1400	
Tensile Strength	MPa	ASTM D 882	MD	≥ 100
			TD	≥ 100
Elongation	%	ASTM D 882	MD	≥ 100
			TD	≥ 100
Thermal Shrinkage @150 °C/30 Min	%	ASTM D 1204	MD	≤ 1.5
			TD	≤ 0.5
Interlayer Adhesion	N/cm	ASTM D 903	Fluoropolymer - PET	Inseparable
			PET- Primer	≥ 4
Adhesion With EVA	N/cm	ASTM D 903	≥ 100	
Dielectric Strength	kV/mm	ASTM D 149	≥ 20	
CTI	V	IEC 60112	≥ 600	
Distance through insulation	μm	IEC 60112	≥ 300	
Transmittance	%	-	≥ 90	
WVTR	g/m ² day	ASTM F 1249	< 2	



Storage Condition: To be stored in sealed packing at temperature < 35 °C & Humidity < 60 %
Shelf life: It is recommended to use within 12 months from the date of manufacture