

TECHNICAL DATA SHEET

Manufacturer Name	SHEETSOL PVT. LTD, Raipur, Chhattisgarh, India-492 001.
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Product Details

Product Name	Sheetsol UFC
Product Type	Encapsulant - Polymeric Material
Test Items	SS-UFC-T100-EVA

Test / Parameter	Test Method	unit	Customer specification
Thickness	-	mm	0.50 - .80mm ± 10%
Density	ASTMD 792	g/cm2	0.96
Thermal Shrinkage	160 °C on glass plate for 5 min.	%	≤3
Tensile Strength	ASTM D638	MPa	14-17
Elongation at break	ASTM D 638	%	600-700
Peel strength (Glass/Film)	ASTM D903	N/cm	75-90
Peel strength (TPT/Film)	ASTM D903	N/cm	75-95
Specific Heat	ISO22007 PART 2	j/g. k	1.96-2.01
Optical Transmission after curing	ASTM E424 SPECTROPHOTO METER	%	92
UV Cut Off Wavelength	ASTM E424 SPECTROPHOTO METER	nm	360
Yellow Index	ΔYI	<2	≤1 ΔYI
Gel Content	ASTM D2765-01	%	80-85
Refractive Index	ISO489		1.49
Volume Resistivity	ASTM D257	Ohm.cm	1.0 x 10 ¹⁵
Water absorption	ISO 62-200805	%	0.10

Lamination Parameters

Evacuation Time	-	Minutes	4 to 5
Lamination Time	-	Minutes	6 to 8
Temperature	-	°C	138 to 145

Storage and Packing Details

Storage Conditions	Store in sealed packing at temperature < 28°C & humidity < 60%
Shelf Life	Recommended to use before 6 months from the date of manufacture