

# TECHNICAL DATA SHEET

Manufacturer Name	<b>SHEETSOL PVT. LTD,</b> Raipur, Chhattisgarh, India-492 001.
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## Product Details

Product Name	Sheetsol UFC
Product Type	Encapsulant - Polymeric Material
Test Items	<b>SS-UFC-T200 UVT EVA</b>

Test / Parameter	Test Method	unit	Customer specification
Thickness	-	mm	0.50 - .80mm ± 10%
Density	ASTMD 792	g/cm <sup>2</sup>	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	≥ 70
Peel strength (TPT/Film)	ASTM D903	N/cm	≥ 70
Specific Heat	ISO22007 PART 2	j/g. k	1.96-2.01
Optical Transmission after curing	ASTM E424 SPECTROPHOTO METER	%	≥ 91
UV Cut Off Wavelength	ASTM E424 SPECTROPHOTO METER	nm	UV TANSSPARENT
Yellow Index	ΔYI	-	≥1
Gel Content	ASTM D2765-01	%	≥ 75
Refractive Index	ISO489		1.49
Volume Resistivity	ASTM D257	Ohm.cm	1.0 x 10 <sup>15</sup>
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

## Declaration

A Declaration of Conformity (DoC) Certifies that a consumer product has been tested by an accredited laboratory test faculty using approved methods to make sure it is fully operational and safe before it is sold.

Report No.02	<b>SS\LAB\2306-18</b>	Sign and Stamp of Authorized Person  Girish Suthar : +91-9825244653
Place: Raipur	Raipur	
Date: 22/07/2023	22 July, 2023	