

TECHNICAL DATA SHEET

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

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 mm \pm 10%
Density	ASTMD 792	g/cm ²	0.96
Thermal Shrinkage	140 °C on glass plate for 5 min.	%	\leq 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	Δ YI	<2	\leq 1 Δ YI
Gel Content	ASTM D2765-01	%	80-85
Refractive Index	ISO489		1.49
Volume Resistivity	ASTM D257	Ohm.cm	1.0×10^{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

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	SS\LAB\220601-01	Sign and Stamp of Authorized Person Girish Suthar : +91-9825244653
Place: Raipur	Raipur	
Date: 1/3/2023	1 st March, 2023	