

TECHNICAL DATA SHEET			
Manufacturer Name	SHEETSOL PVT. LTD, Raipur, Chhattisgarh, India-492 001.		
Product Details			
Product Name	Sheetsol EPE		
Product Type	EPE Encapsulant - Polymeric Material		
Test Items	SS-UFC-T100-EPE		
Test / Parameter	Test Method	unit	Customer specification
Thickness	-	mm	0.50 - .80mm ± 10%
Density	ASTMD 792	g/cm ³	0.88
Thermal Shrinkage	160 °C on glass plate for 5 min.	%	≤3
Tensile Strength	ASTM D638	MPa	12 ± 3
Elongation at break	ASTM D 638	%	≥ 500
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	360
Yellow Index	ΔYI	-	≤2
Gel Content	ASTM D2765-01	%	≥60
Refractive Index	ISO489		1.49
Volume Resistivity	ASTM D257	Ohm.cm	1.0 x 10 ¹⁶
Water absorption	ISO 62-200805	%	0.10
Lamination Parameters			
Evacuation Time	-	Minutes	6 to 10
Lamination Time	-	Minutes	12 to 16
Temperature	-	°C	150 to 165
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		