

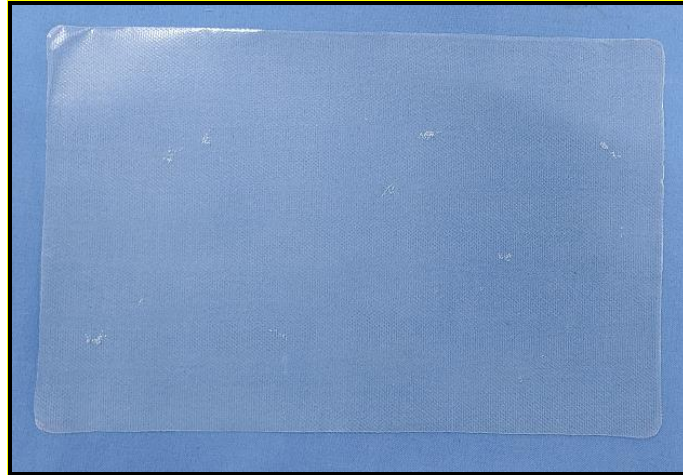


**Test Report - Industry Services**

<b>Prüfbericht - Nr.:</b> <i>Test Report No.:</i>	<b>IND/BLR/CH/2022/8118</b>	<b>Seite 1 von 2</b> <i>Page 1 of 2</i>
<b>Auftraggeber:</b> <i>Client:</i>	<b>FILMTEC SOLAR PRIVATE LIMITED</b> 18, Khadki – Dungri Road, Village: Dungri Valsad, 396185	
<b>Kunden-referenz-Nr.:</b> <i>Client reference no.:</i>	TRF Dated: 2022-09-09	<b>Auftrags-Nr.:</b> <i>Order no.:</i> 146717322
<b>Gegenstand der Prüfung:</b> <i>Test item:</i>	PROTEC POE	<b>Auftragsdatum:</b> <i>Order date.:</i> 2022-09-12
<b>Bezeichnung Typ-Nr.:</b> <i>Identification / Type No.:</i>	-	<b>wareneingangsdatm:</b> <i>Date of sample receipt:</i> 2022-09-12
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	Chemical Test	<b>Prüfmuster-Nr.:</b> <i>Test sample no.:</i> 8118
<b>Prüfgrundlage:</b> <i>Test specification:</i>	ISO 11357-4 (Continuous-scanning method)	<b>Prüfzeitraum:</b> <i>Testing Period:</i> 2022-09-20 to 2022-09-20
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	Plot No. 27B, 2 <sup>nd</sup> Cross, Electronic City Phase 1, Hosur Road, Bangalore - 560 100, Karnataka, India.	
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TÜV Rheinland (India) Private Limited	
<b>Prüfergebnis:</b> <i>Test Result:</i>	Refer Page No. 2 to 2	
 		
<b>Zusammengestellt:</b> <i>compiled by</i>	Reshirajan S	<b>Genehmigt von:</b> <i>Authorized by:</i> Ranabir Pal
<b>Datum:</b> <i>Date:</i>	2022-09-23	<b>Ausstelldatum:</b> <i>Issue date:</i> 2022-09-23
<b>Stellung / Position:</b>	Sr. Engineer- Polymer Dept. Material Testing Laboratories	<b>Stellung / Position:</b> Sr. Manager- Polymer Dept. Material Testing Laboratories
<b>Sonstiges/ Other:</b> Nil.		
<b>Zustand des prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at the time of delivery:</i>	Good.	
<b>Abkürzungen:</b> <i>ok / P = entspricht Prüfgrundlage</i> <i>fail / F = entspricht nicht Prüfgrundlage</i> <i>n.a. / N = nicht anwendbar</i>	<b>Abbreviations:</b> <i>ok / P = passed</i> <i>fail / F = failed</i> <i>n.a. / N = not applicable</i>	
<p><b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b></p> <p><i>This test report relates to the a.m test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark. Test item submitted by client. Sampling not done by TUVRI. 'Laboratory employs simple acceptance rule in making Pass or Fail decisions on test results with no guard band'.</i></p>		

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*Test Report No.:*
**IND/BLR/CH/2022/8118**
**Seite 2 von 2**  
*Page 2 of 2*

### TEST RESULTS

**Discipline:** Chemical  
**Product Groups:** Rubber and Rubber Products


**Photograph of sample as in received condition**

**Test Name:** Specific Heat Capacity

**Test Method:** ISO 11357-4 (Continuous-scanning method)

**Test Condition:** Hold 5 min at -50° C  
 Heat from -50.0° C to 150.0° C at 10.0°C/min.  
 Hold 5 min at 150° C  
 Purge gas: N<sub>2</sub>  
 Flow Rate: 20 ml/min

**Observations:**

Sr. No.	Parameter	Unit	Result
1	Specific heat capacity at 0° C	J.g <sup>-1</sup> .K <sup>-1</sup>	3.967
2	Specific heat capacity at 10° C	J.g <sup>-1</sup> .K <sup>-1</sup>	4.071
3	Specific heat capacity at 20° C	J.g <sup>-1</sup> .K <sup>-1</sup>	4.082
4	Specific heat capacity at 30° C	J.g <sup>-1</sup> .K <sup>-1</sup>	4.073
5	Specific heat capacity at 80° C	J.g <sup>-1</sup> .K <sup>-1</sup>	4.113
6	Specific heat capacity at 90° C	J.g <sup>-1</sup> .K <sup>-1</sup>	3.741
7	Specific heat capacity at 100° C	J.g <sup>-1</sup> .K <sup>-1</sup>	3.771
8	Specific heat capacity at 110° C	J.g <sup>-1</sup> .K <sup>-1</sup>	3.821
9	Specific heat capacity at 120° C	J.g <sup>-1</sup> .K <sup>-1</sup>	3.884

---- End of Report ----