

Technical Data Sheet

Lamibran®

Product description and advantages

- Area of application: Solar modules
- Special covering layer (black) on silicone backing (grey)
- Bond of the two layers cannot be separated mechanically
- Black covering layer is resistant to decomposing outgassing during lamination process
- Constant quality thanks to quality management
- Durability results in longer machine running times and thus shorter set-up times

Standard dimensions

Width: 1660-3100 mm
 Material thickness: 3.2 mm

	Backing material	Covering layer	Composite material
Material	Silicone	Special layer	Lamibran®
Material hardness	55 ± 5 Shore A	80.0 ± 5 IRHD	-
Density/Spec. weight	1.16 ± 0.02 g/cm ³	1.91 ± 0.02 g/cm ³	-
Tensile strength	8.2 N/mm ²	14.9 N/mm ²	6.1 N/mm ²
Elongation at tear	600 %	184 %	180 % (max.)
Resilience	25 %	8 %	18 %
Tear growth resistance (ASTM 624B)	67.7 N/mm	16.3 N/mm	47.0 N/mm
Module 100 %	1.5 N/mm ²	-	
Module 200 %	2.2 N/mm ²	-	
Module 300 %	2.9 N/mm ²	-	
Max. temperature	200°C	-	200°C

Important information:

The listed test values and data are based on results of many years of development, tests and proving. A characteristics warranty and guaranteed function can't be derived from the information given. It is within the user's responsibility to test the selection of material in a specific application to ascertain his intended operational capability. Technical changes within the product development are subject to change.