

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 mm
Material thickness: 3 mm

Fabrication even beyond the standard width

	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/cm³	1.91 ± 0.02 g/cm³	-
Tensile strength	8.2 N/mm²	14.9 N/mm²	6.1 N/mm²
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/mm²	-	
Module 200 %	2.2 N/mm²	-	
Module 300 %	2.9 N/mm²	-	
Max. temperature	200°C	-	200°C

The specifications for all products are based on the provided mix test results and represent key statistical product figures, but do not specifically guarantee properties. The right to changes for the purpose of technical advancement that do not substantially modify the product are reserved.