

# Technical datasheet

## Durolight® S2

### Product characteristics

- Durolight® S2 is a high-pressure laminate and consists of a special (VE) resin matrix reinforced with a combination of glass roving mat & fabric.
- Durolight® S2 is characterized by its low thermal conductivity and high mechanical strength.
- Please contact us for more information and possible fields of application.

		Value	Unit	Test method
<b>Mechanical properties</b>				
Density		1,95	g/cm <sup>3</sup>	ISO 1183
Flexural strength	⊥	350	MPa	ISO 178
Modulus of elasticity in flexion	⊥	18000	MPa	ISO 178
Compressive strength	⊥	450	MPa	ISO 604
Tensile strength		180	MPa	ISO 527
Impact strength	⊥	(Charpy) 200	kJ/m <sup>2</sup>	ISO 179
Shear strength		25	MPa	IEC 60893
<b>Physical properties</b>				
Water absorption	(method 1)	0,2	%	ISO 62
<b>Thermal properties</b>				
Flammability		HB	/	UL 94
Thermal conductivity		0,3	W/mK	DIN 52612

⊥ = perpendicular to the lamination

|| = parallel to the lamination

The data mentioned in this datasheet are **average values** ascertained by current statistical returns and tests. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.