

The Divinycell Extended specification product has the same structural performance as Divinycell standard grades, and thus has the same mechanical properties. The difference lays only in visual appearance and minor exceptions from standard grade specifications.

Mechanical Properties

PROPERTY	Test standard	UNIT		H45	H60	H80
Compressive strength¹	ASTM D 1621	Mpa	Nominal	0,60	0,90	1,40
Compressive modulus¹	ASTM D 1621 B-73	Mpa	Nominal	50,00	70,00	90,00
Shear strength	ASTM C 273	Mpa	Nominal	0,56	0,76	1,15
Shear modulus	ASTM C 273	Mpa	Nominal	15,00	20,00	27,00
Shear elongation	ASTM C 273TS	%	Nominal	12,00	20,00	30,00
Density	ISO 845	kg/m ³	Nominal	48,00	60,00	80,00

1. Perpendicular to the plane. All values are measured at 23°C

Nominal value is an average value of a mechanical property at a nominal density.

The extended specification version of Divinycell can contain more voids, be discolored or have skin or cracks on edges of the material or simply be out of standard dimensions. It is normally only one of these exceptions that are valid -it is very rare that it is a combination of several. Material is available as sheets or grid scored material, GS, upon availability.

GS material is available and then classified as Divinycell extended specification material if the gap between two sheets in the GS sheets has become bigger than what is allowed in the standard Divinycell specification.

For further information of available Divinycell Extended specification materials and details, please get in contact with your local DIAB representative.

Disclaimer:

This data sheet may be subject to revision and changes due to development and changes of the material. The data is derived from tests and experience. If not stated as minimum values, the data is average data and should be treated as such. Calculations should be verified by actual tests. The data is furnished without liability for the company and does not constitute a warranty or representation in respect of the material or its use. The company reserves the right to release new data sheets in replacement.