

Divinycell H-45 Foam Properties

Compressive Strength	Nominal	0.6 MPa
	Minimum	0.5 MPa
Compressive Modulus	Nominal	50 MPa
	Minimum	45 MPa
Tensile Strength	Nominal	1.4 MPa
	Minimum	1.1 MPa
Tensile Modulus	Nominal	55 MPa
	Minimum	45 MPa
Shear Strength	Nominal	0.56 MPa
	Minimum	0.46 MPa
Shear Modulus	Nominal	15 MPa
	Minimum	12 MPa
Shear Strain	Nominal	12 %
Density	Nominal	48 kg/m ³

Density Variation		+or- 10 %
Thermal Conductivity ²		0.028 W/(m-K)
Coeff, Linear Heat Expansion		40.00x10 ⁻⁶ /°C
Heat Distortion Temperature		+125.00 °C
Continous Temp Range		-200/+70 °C
Max Process Temp		+90 °C
Dissipation Factor		0.0002
Dielectric Constant		1.05
Poissons Ratio ³		0.4

1. Typical values
2. Thermal conductivity at +20°C
3. Standard deviation is 0.045

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.