

CORK Cork-NL20 TECHNICAL DATA SHEETS

Mechanical Properties of the Core Material

Density	12.5 lb/ft ³ (200 kg/m ³)
Compressive Strength	0.5 MPa (72 psi)
Compressive Modulus	6.0 MPa (870 psi)
Tensile Strength	0.7 MPa (101 psi)
Shear Strength	0.9 MPa (130 psi)
Shear Modulus	5.9 MPa (856 psi)
Thermal Conductivity	0.044 W/mK
Thermal Conductivity	0.062 (at 1K Hz)

Mechanical Properties of the Core Material in a Sandwich

Samples made by Infusion (0.6 bar) with epoxy resin ref.SR8100/cat ref.SD8824 and two layers of 300g/m² glass fibre roving, on each side, sandwich thickness: 6,5 mm; cure at 60°C; samples tested after 5 days of manufacturing.

Flexural Strength at Yield	56 MPa
Flexural Modulus	4 GPa
Shear Strength at Yield	0.9 MPa
Shear Modulus	41 MPa
Compressive Strength at Yield	2.2 MPa
Compressive Modulus	23 MPa
Water Absorption (%)	<4
Panel Density	0.560

Compatible with

Epoxy, Polyester, Phenolic, Vynilester, Polyurethane