

## Materials Report

Filename: D:\Work\Work\GB61\DESIGN\_SET\CALCULATION\GB60\_STR\_V2.bst

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Time :5:46:27 PM

### Material Properties

Label	Type	Default Thickness mm	Strength				Modulus		Mass of Fibre g/m <sup>2</sup>	Core Material
			Flexural/Yield	Tensile N/mm <sup>2</sup>	Compressive N/mm <sup>2</sup>	Ultimate Shear N/mm <sup>2</sup>	Flexural/Elastic N/mm <sup>2</sup>	Shear N/mm <sup>2</sup>		
E-glass - CSM hand lay up, 300g/m <sup>2</sup>	Laminated GRP	0.70	121.74	68.00	93.60	49.60	5120	2200	300.000	--
E-glass - CSM hand lay up, 450g/m <sup>2</sup>	Laminated GRP	1.05	121.74	68.00	93.60	49.60	5120	2200	450.000	--
E-glass - WR, 600g/m <sup>2</sup>	Laminated GRP	0.78	178.13	146.34	115.20	61.12	10592	2445	600.000	--
HexaCor PP-8 20mm	Core	20.00	0.00	0.00	2.00	0.60	95	13	--	

Report produced using Wolfson Unit M.T.I.A. HullScant - Hull Scantlings 12215.

Incorporating: International Standard - Hull construction - Scantlings - Part 5: Design pressures for monohulls, design stresses, scantling determination. ISO 12215-5:2008, 2008-04-15