

TimberLab

CHARACTERISTIC STRENGTHS

Overview

Characteristic Strengths and Elastic Moduli for Glulam Grades

GL Grade	Characteristic Strengths (MPa)	Elastic Moduli (MPa)				
	Bending	Tension parallel to grain	Shear in Beam	Compression parallel to grain	Short modulus of elasticity parallel to the end grain	Short duration modulus of rigidity for beams
GL 12	25	12.5	3.7	29	11500	770
GL 10	22	11	3.7	26	10000	670
GL 8	19	10	3.7	24	8000	530

Note: All tables in this reference guide are based upon characteristics of Glulam meeting GL8 grade. For references for higher grades than GL8, please refer to a qualified producer.

Higher grades (i.e. GL10, GL12, etc) will give **greater span and load** carrying capability than GL8 for the same section size.