



## PGM2 & PGM3 Glass Laminate Grade Tufnol

### Technical Specification

Property	Grade PGM2	Grade PGM3	Units
Flexural strength	130	130	MPa
Flexural modulus	7.8	8.2	GPa
Tensile strength	70	70	MPa
Tensile modulus	4.6	4.0	GPa
Impact strength, charpy	35	40	KJ/m
Water absorption 3mm thick	0.30	0.27	%
Dielect breakdown parallel to laminations	43	43	kV
Perpendicular dielectric strength	9	15	kV/mm
Comparative tracking index (IEC112)	600	600	-
Flammability (category IEC 707 – UL94)	V0	V0	-
Relative density	1.7	1.8	-
Maximum working temperature**			
- continuous	140	140	°C
- intermittent	155	155	°C
Thermal classification	Class F	Class F	-
Thermal expansion	2.4	2.4	x10 <sup>-5</sup> /K
Thermal conductivity	0.3	0.3	W/(mK)