

TECHNICAL DATA SHEET - GLASS EPOXY LAMINATE		
Type acc to IEC 893		Epgc 202
Type acc to DIN 7735		Hgw 2372.1
Type acc to NEMA		FR4
Propertyes	Unit	
1. Mechanical properties		
Flexural stress at ruoture perpendicular to laminations (at temp. 200C)	MPα	531
Apparent modulus of elasticity in flexure	MPα	35000
Tensile strength	MPα	311
Compressive strength perpendicular to laminations	MPα	455
Impact strength (Charpy) parallel to laminations	KJ/m2	247
Shearing strength parallel to laminations	MPα	141
Impact strength		-
• Untouched αn-15	KJ/m2	-
• Notched αk-10	KJ/m2	-
Spearing resistance	dαN	-
Compressive strength parallet to laminations	MPα	460
Flammability	Class	V-0
2. Mechanical properties		
Electric strength (20-s step-by-step test) in oil 900C	kV/3mm	43.5
• perpendicular to layers3)	kV/25mm	40
• parallel to layers		
Dissipation factor tan δ		
• in 50Hz		

