

DSM 3.2.2

Laminates (Epoxy)

General:

An Epoxy based thermoset resin reinforced with glass woven laminates cast in moulds and cured by temperature & hardener.

The laminate is built up in layers, combining glass cloths of different weights and weaves, and using different proportions of resin, in order to give the required thickness and surface finish and to optimise performance and cost.

These layers not only provide the strength and dimensional stability required they also contribute to the electrical properties of the laminate.

This laminate provides extremely high mechanical strengths, good electrical and dielectric properties under both dry and humid conditions. Excellent dimensional stability and rigidity are also obtained.

Application:

High temperature components. High voltage electric Insulators & spacers.

Profiles:

- Sheet
- Tube & Round

Specifications:

SPECIFICATION COMPARISON	
BRITISH: BS	BS 3953 Type EP-7
EUROPEAN: BS	EN 60893-3-2 Type EP GC 20S
AMERICAN: NEMA	LI-1-1983 Type G11
TUFNEL GRADE	Grade 10G/44

These values are representative. For critical applications, refer to data-sheet.

MECHANICAL PROPERTIES					
	HARDNESS Shore A	TENSILE STRENGTH:	YOUNGS MODULUS:	POISSONS RATIO:	DENSITY:
SRBGS	---	294 MPa	18.6 GPa	0.22	1800 Kg/m³

Alternatives:

Alternatives are allowed only with the express written permission of ASMPT. Please email details of your request to engineering_enquiries@asmpt.com

Issue	01	02	03	04	05	06	07	08	09
DCR		7135	44832						