

JIS

JAPANESE INDUSTRIAL STANDARD

General rules of prepreg for multilayer printed wiring boards

JIS C 6520—1993

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by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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printed wiring boards

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1. Scope This Japanese Industrial Standard specifies basic matters for determination of performance, marking, etc. of prepreg for multilayer printed wiring boards (hereafter referred to as "prepregs").

Remarks: The following standards are cited in this Standard.

JIS C 5603 Terms and definitions for printed circuits

JIS C 6521 Test methods of prepreg for multilayer printed wiring boards

2. Definitions For the purpose of this Standard, in addition to the definitions specified in JIS C 5603, the following principal definitions apply:

- (1) resin flow This means the fluidity of prepreg resin at the formation.
- (2) bowed filling of glass fabric When a line intersecting warp direction of a glass fabric at right angles is employed as the reference line, this term means the maximum distance of a weft touching with the line at any point from this line.

3. Type designation

3.1 Structure of type designation The type designation shall be formed in the following arrangement:

[Symbol denoting prepreg]	[Hyphen]	[Symbol denoting base material and binder]	[Symbol denoting character- istics]	[Symbol denoting thickness after forming]	[Symbol denoting resin flow]
[3.2.1]		[3.2.2]	[3.2.3]	[3.2.4]	[3.2.5]

Example: P - GE 4F 08 35

3.2 Symbols

3.2.1 Prepreg The symbol denoting prepreg shall be an English capital letter P.

3.2.2 Base material and binder The symbol denoting base material and binder shall consist of a combination of an English capital letter denoting the base material and an English capital letter which follows the above and denotes the binder, for example GE.

Base material symbol G means glass fabric, binder symbol E means epoxy resin, symbol I means polyimide resin and symbol T means bismaleimide/triazine/epoxy resin.

3.2.3 Characteristics The symbol denoting characteristics shall be as given in Table 1, where flame retardant ones are shown by suffixing an English capital letter F to the numeral for characteristic symbol.