

ABSTRACT

POLYPHENYLENE ETHER RESIN COMPOSITION, PREPREG, AND METAL-CLAD LAMINATE

An object of the present invention is to provide a new polyphenylene ether resin composition capable of producing a metal-clad laminate plate having excellent heat resistance, water resistance, and the like. The polyphenylene ether resin composition of the present invention comprises (A) polyphenylene ether, and (B) a block copolymer comprising a butadiene block having a molar ratio of a 1,2-bonding structure to a 1,4-bonding structure of 80:20 to 100:0 and a styrene block. The number average molecular weight (M_n) of the component (A) may be 1,000 to 7,000, the weight ratio of the styrene block to the butadiene block in the component (B) may be 10:90 to 80:20, and the weight average molecular weight (M_w) of the component (B) may be 2,000 to 100,000.

[No Suitable Figure]