

ABSTRACT

HIGH-MOLECULAR WEIGHT HIGH-ORTHO NOVOLAK TYPE
PHENOLIC RESIN

Provided is a high-molecular weight high-ortho novolak type phenolic resin excellent in handleability, heat resistance characteristics, curability and electric characteristics suitable for various uses and superior in balance of properties. This high-molecular weight high-ortho novolak type phenolic resin is a condensate of a trifunctional phenol compound with an aldehyde compound, is soluble in solvents, has a weight-average molecular weight of 50,000 or more calculated by polystyrene standard, has methylene bonds at ortho-ortho position in respect to phenolic hydroxyl group in an amount of 55% or more based on total methylene bonds, and has an extraction water electric conductivity of 10 μ S/cm or less.

(FIG. 1)