

[Title of the document] Abstract

A process for producing a polyphenylene sulfide resin with properties of (1) 0.3 wt% or less in the amount of the volatile gas generated when heated and melted at 320°C in vacuum for 2 hours, (2) 0.3 wt% or less in the ash content achieved when incinerated at 550°C, (3) 4.0 wt% or less in the residue amount achieved when a solution with 1 part by weight of the polyphenylene sulfide resin dissolved in 20 parts by weight of 1-chloronaphthalene is pressure-filtered by a PTFE membrane filter with a pore size of 1 μ m at 250°C for 5 minutes, and (4) higher than 500 g/10 min in melt flow rate (according to ASTM D-1238-70: measured at a temperature of 315.5°C and at a load of 5000 g), by acid-treating a polyphenylene sulfide resin in an acid treatment step and subsequently treating it for thermal oxidation in a thermal oxidation step. This process can provide a polyphenylene sulfide resin excellent in melt flowability, small in metal content and in the amount of the volatile component generated during melting and excellent in molding stability and wet heat resistance.