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(54) Title: POLYARYLENE SULFIDE AND A COMPOSITION THEREOF

(57) Abstract

Polyarylene sulfide (PAS) is disclosed, of which extract with methylene chloride is in an amount of not more than 0.7 % by weight, a melt viscosity V_6 is 20 to 15,000 poises and a content of -SX groups is at least 15 micro moles/g, wherein X represents an alkali metal or a hydrogen atom. The PAS is prepared as follows: an alkali metal sulfide is reacted with a dihaloaromatic compound in an organic amide solvent, while a part of a gaseous phase in a reactor is condensed by cooling a gaseous phase part of the reactor to return the condensed liquid to a liquid phase; and the polyarylene sulfide thus prepared is washed with an organic solvent and then with water. The present invention also provides a composition comprising 100 parts by weight of (A) the aforesaid PAS and 0.01 to 5.0 parts by weight of (B) at least a silane compound selected from the group consisting of methacryloxysilane compounds, ureidosilane compounds and epoxy silane compounds.