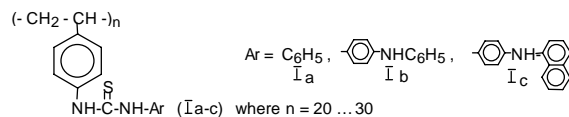


98-0147

The invention relates to new chemical oligomeric stabilizers, particularly, to the 4-aminostyrene derivatives which may be used for polymeric materials stabilization contacting with hydrocarbones and other fluids at the high temperatures, in vacuum and in other conditions, causing removing the low-molecular stabilizers from the products.

Summary of the invention consists in the fact that in the 4-aminostyrene oligomers structure are introduced by means of thio-carbonyl group the aromatic amines possessing the stabilizing function for the obtained products, particularly, 4-(N-aryl-thioureido)styrene of general formula:



The named compounds are prepared by heating the 4-aminostyrenes oligomers together with tetramethylthiuram disulfide at 90...100°C during 2 hours into an acid at molar reagents ratio of 1 : 0,6 with further addition of the aromatic amine possessing the stabilizing activity in the equivalent quantity to the oligomer and heating the reaction mixture at 140...145°C during 4...6 hours.

The technical result of the invention consists in the transfer of the aromatic amines stabilizing properties to the oligomers grafted by these compounds and complete absence of the amine extractability and volatility in the liquid or accordingly in the vacuum.

Claims: 3