

Abstract:

Plastic with reduced sulfur uptake rate

The present invention relates to plastics comprising a high molecular weight, sterically hindered amine, wherein the sterically hindered amine is at least one amine from the group consisting of

I: oligomerized 2,2,4,4-tetramethyl-20(oxiranylmethyl)-7-oxa-3,20-diazadispiro[5.1.11.2]heneicosan-21-one,

II: condensation product of 2-chloro-4,6-di(4-n-butylamino-1,2,2,6,6-pentamethylpiperidyl)-1,3,5-triazine and 1,2-bis(3-aminopropylamino)ethane, and

III: condensation product of 1-hydroxyethyl-2,2,6,6-tetramethyl-4-hydroxypiperidine and succinic acid.

These plastics exhibit a reduced rate of uptake of sulfur compounds.

The invention further relates to shaped articles made from these plastics.

