

Thematic direction: Research of influence of technological additives on properties of rubbers on the basis of BNR new generation. Part 3.

Novantox 8 PFDA

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Abstract

Efficiency of action of novantox 8 PFDA on heat ageing of oil-insoluble and petrol-resistant rubbers on the basis of butadien-nitrile rubbers (BNR) new generation is investigated. It is positioned that at replacement acethonanil H or naftama-2 on novantox 8 PFDA the basic physical-mechanical properties of rubbers, including dynamic fatigue strength at repeated strains has been improved. Novantox 8 PFDA is well combined with non-polar fragments BNR and does not fade from rubber. It is an effective antioxidant and counteracts at the expense of deafen FP as a part of rubber conserving it for against protection ozone. Novantox 8 PFDA practically does not influence on plasto-elastic properties and stickiness of rubber stocks, reduces time prior to the beginning of their semivulcanization, reduces cohesive strength and increases elastic restoration of rubber stocks, improves physical-mechanical properties and resistibility of rubber to influence of elevated temperatures and severe atmospheres, does not concede on properties to other stabilizers.