

Antilux® 654 A (formerly: 654 PE)

Anti-sun check waxes and
antiozonants

Function

Anti-check wax to protect rubber articles against caused by ozone and weathering influences.

Product description

Composition:	blend of selected paraffins and micro-waxes with medium-broad molecular weight distribution and 2 % low molecular weight polyethylen
Appearance:	white to yellowish pastilles
Density, 20 °C:	approx. 0.92 g/cm ³
Congealing point (ISO 2207):	66-68 °C
Physiological properties:	see safety data sheet

Use

Mode of action:	Owing to its reduced solubility, Antilux 654 A migrates to the surface of the vulcanizates where it forms a complete protective film which remains stable at temperatures up to about 50 °C. The formation of the protective film takes place at a medium-fast rate. The protective film shows an excellent stability against dynamic stress. Antiozonants and antioxidants are carried to the surface of the vulcanizate by the migration of Antilux 654 A.
Processing:	The pastille form provides easier weighing and mixing. To ensure a good dispersion it is recommended to add Antilux 654 A right at the beginning of the mixing cycle. The mixing temperature should exceed the melting point of the anti-check wax.
Dosage:	Tires: 1-4 phr; in other rubber compounds < 10 phr, depending on the type of compound
Applications:	Tires, conveyor belts, cable coverings as well as technical molded and extruded articles (e.g. profiles) which are used at higher service temperatures. Antilux 654 A meets test specifications at ozone chamber temperatures of about 45 °C. The protection may be extended by means of blending with lower melting Antilux grades.

Packaging

20 kg PE bags on 1040 kg skids

Storage stability

In original, closed packaging and under cool and dry conditions 1095 days from date of production. At temperatures exceeding 35 °C agglomeration of the pellets may occur. This, however, has no effect on the performance.

Handling

For additional handling information on Antilux 654 A please consult material safety data sheet.

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