

Antilux® 500 PE

Anti-sun check waxes and
antiozonants

Function

Wax to protect rubber articles against cracking by ozone and weathering influences

Product description

Composition:	Blend of selected paraffins and micro-waxes with medium-broad molecular weight distribution with 2 % low molecular polyethylene
Appearance:	white to yellowish pastilles
Density, 20 °C:	0.92 g/cm ³
Solidification point:	approx. 56 °C
Physiological properties:	see safety data sheet

Use

Mode of action:	Antilux 500 PE, owing to its reduced solubility, migrates to the surface of the vulcanizates where it forms a complete protective film which remains stable at temperatures up to about 30 °C. The formation of the protective film takes place at a fast rate. Antiozonants and antioxidants are carried to the surface of the vulcanizate by the migration of Antilux 500 PE.
Processing:	The pastille form provides easier weighing and mixing. To ensure a good dispersion it is recommended to add Antilux 500 PE right at the beginning of the mixing cycle. The mixing temperature should exceed the melting point of the anti-check wax.
Dosage:	2-10 phr, depending on the type of compound
Applications:	Technical molded and extruded articles, microcellular rubber, cable coverings, which are used at moderate temperatures. Antilux 500 PE meets test specifications at ozone chamber temperatures of about 25 °C. The protection may be extended by means of blending with higher melting anti-check waxes.

Packing

20 kg PE bags on 1040 kg skid

Storage stability

If stored at temperatures up to 25 °C 1095 days from date of production; at higher temperatures caking may occur. This, however, has no effect on the performance. Owing to the addition of 2 % low molecular polyethylene storage stability at higher temperatures is improved which may occur in warm climate zones during summer.

Handling

For additional handling information on Antilux 500 PE please consult material safety data sheet.

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