

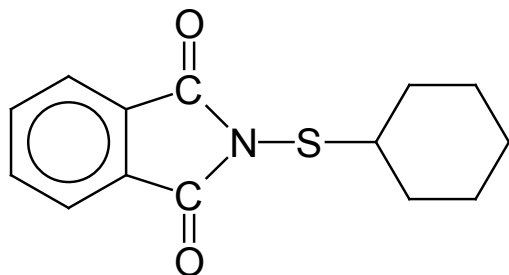
Duslin® PP

Chemical Name: N-(cyclohexylthio)-phthalimide (CTP)

Empirical Formula: C₁₄H₁₆O₂SN

Molecular Weight: 261.3

Structural Formula:



Physical Form: White to pale-cream crystalline powder treated with anticaking agent

Technical Parameters:

Active substance (CTP) content	min. 97.0 % by weight
Butyloleate	min. 1.5 % by weight
Melting point: first liquid	min. 89.0 °C
complete liquid	max. 95.0 °C
Weight loss	max. 0.5 % by weight.
Toluene insolubles	max. 0.5 % by weight.
Ash (at 750 °C)	max. 0.2 % by weight
Sieve retention: 2.0 mm	max. 0.01 % by weight
0.5 mm	max. 1.0 % by weight
Specific gravity	1,250 - 1,350 kg. m ⁻³
Bulk density	420 - 430 kg. m ⁻³

Solubility:

Duslin® PP is well soluble in organic solvents and rubbers. Insoluble in water.

Application:

Duslin® PP is a high effective pre-vulcanization inhibitor of rubbers especially of diene compounds with cure system consisting of sulfur and thiazole but mainly sulfenamide accelerators. Even a small addition of Duslin® PP to rubber compounds increases their processing safety significantly which enables to speed up some of the technological operations during the preparation of rubber goods. Its use saves raw materials and power. Current dosage to rubber compounds is 0.1 - 0.4 phr. Duslin® PP may cause slight colouring in white compounds.

Packaging and Storage:

Duslin® PP is packed in multilayer PE-coated paper bags of 25 kg net. It is possible to pack it to big-bags of 350-500 kg weight. The product should be stored/transported on pallets in dry and covered places/vehicles at temperatures up to 35 °C. Do not load pallets of packed product, one-layer storing only. Storage life in undamaged original packaging is one year under the observation of storage conditions.

The given data are only of an informative character and are not comprehensive. Further information can be obtained:

0106



Producer:

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