

HARDENER MH-500

Description:

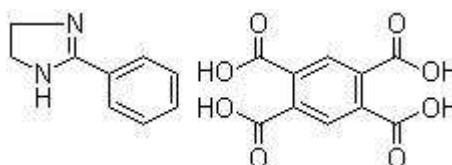
Hardener MH-500 is the salts of polycarboxylic acid with Cyclic amidine. It is applied in the formulations of epoxy or Hybrid base powder coatings for matt or semi-matt gloss with very good flow and properties.

Information:

Chemical name: Pyromellitic acid di (2-phenyl-2-imidazoline) (1:1) salt

Alternative chemical Name: 4,5-Dihydro-2-phenyl-1H-imidazole
-1,2,4,5-benzenetetracarboxylate

Chemical structure:



Molecular formula: $C_{10}H_6O_8 \cdot C_9H_{10}N_2$
CAS No.: 54553-90-1
EINECS No.: 259-224-4
Molecular Weight: 400.34 [g/mol]
Appearance : White to off-white powder
Melting range : 224~230°C
Purity : ≥99%

Application:

The hardener may be applied both in pure epoxy and hybrid (epoxy-polyester) resin powder coatings. Epoxy coatings of gloss range level ranging from 5%~10% and hybrid coatings with gloss levels ranging from 10%~70% (or greater) may easily be formulated by the use of MH-500. Coatings produced with MH-500 is characterized by color and gloss stability under normal baking conditions. Hybrid coating with matt or semi-matt gloss may be achieved by replacing some of the polyester in the formulation with an equivalent quantity of MH-500.

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