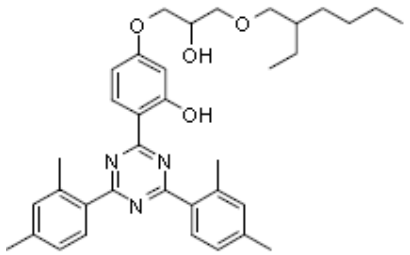
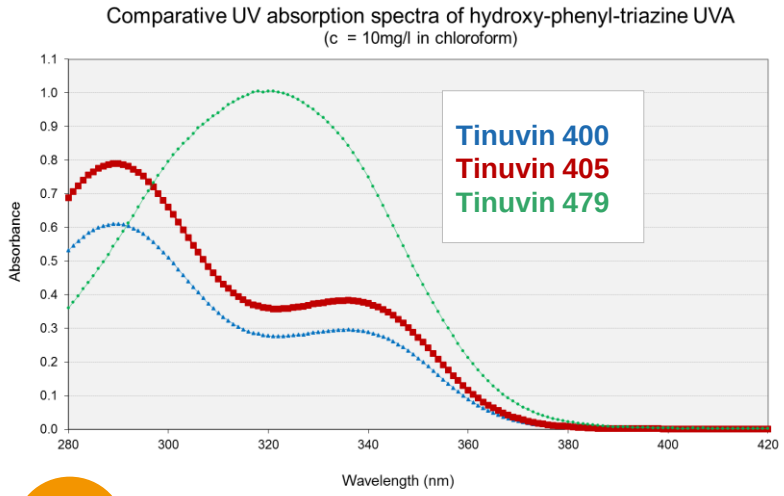
Tinuvin® 405

Hydroxy-phenyl-triazine UV absorber for acrylic powder coatings and industrial applications

Application:

- **Tinuvin 405** is a UV absorber for high performance Automotive OEM, Industrial powder coatings, as well as solvent-based coatings.
- Exterior applications need combination of **Tinuvin 405** with hindered amine light stabilizers (HALS) such as Tinuvin® 292 (2K-PU), Tinuvin 249 / Tinuvin 123 (acid catalyzed systems) or Tinuvin 622 or Tinuvin® 152 (powder coatings).
- The dose level of **Tinuvin 405** required depends on the dry film thickness applied, i.e. at 40µm the dosage recommended for optimum protection is 2% **Tinuvin 405** on resin solids.





Performance Highlights:

- Broad coverage, pronounced absorbance towards UV-B region
- High thermal stability and excellent photo permanence
- Fair solubility in non-polar solvents or solvents of medium polarity (e.g. butyl acetate)
- Melting range (73 - 77°C)
- No interaction with amine – or metal catalysts (e.g. Al-chelates)
- Low migrating (reactable into NCO- or melamine crosslinked systems via peripheral OH-group)

Characteristic Values:

	Tinuvin 405
Appearance:	Light yellow powder
Melting Point [°C]:	73 – 77
Solubility [%]:	Solvesso® 100 ≤ 15 Butyl acetate (CAS No. 123-86-4) ≤ 12

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