

Uvinul® 5050 H

Technical DataSheet | Supplied by BASF

Uvinul® 5050 H is a sterically hindered amine. Acts as a light stabilizer/ UV absorber. It is compatible with polyolefins, PVC, PA and TPU as well as in ABS and PET. Uvinul® 5050 H is particularly suitable for water-cooled tape production, films containing PPA and TiO₂ and agricultural applications.

Product Type	Light Stabilizers / UV Absorbers > HALS, Hindered Amines
Chemical Composition	Sterically hindered amine
CAS Number	152261-33-1
Physical Form	Pellets
Appearance	Yellow
Product Status	COMMERCIAL
Geographical Availability	Central and Eastern Europe, North America, Western Europe, Asia / Pacific
Applications/ Recommended for	PVC TPE and TPV > TPU (or TPE-U) PET ABS PA, Nylon Agriculture Films, Tapes Barriers > UV light filtering

Uvinul® 5050 H Properties

Property	Value & Unit	Test Condition	Test Method
Molecular Weight	3000 - 4000 g/mol		
Density	0.99 g/cm ³	At 20°C	
Solubility	> 40 % m/m	At 20°C in Tetrahydrofurane	

Solubility > 40 % m/m At 20°C in Toluene

Solubility < 0.01 % m/m At 20°C in Water

Drop Point > 110 °C

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