

Flamestab® NOR 116

Technical DataSheet | Supplied by BASF

Flamestab® NOR 116 by BASF is triazine derivative. It is monomeric N-alkoxy hindered amine (NOR HAS). Acts as a flame retardant and UV stabilizer in polyolefin applications. Shows flame retardancy efficacy and UV- & long-term thermal stability in polyolefin fiber, non wovens, tapes and film at concentrations as low as 1%. Possesses very good polymer compatibility and high extraction resistance. Provides superior light and thermal stability to the polymer and shows low interaction with acidic species deriving from pesticide residues or halogenated flame retardants. Flamestab® NOR 116 by BASF exhibits melt processability and does not reduces the mechanical properties of polymer.

Product Type	Flame Retardants / Smoke Suppressants Light Stabilizers / UV Absorbers > HALS, Hindered Amines
Chemical Composition	Triazine derivative
CAS Number	191680-81-6
Masterbatch	No
Physical Form	Granules
Appearance	Off-white
Product Status	COMMERCIAL
Applications/ Recommended for	Fibers/ Textiles/ Carpets > Fibers Fibers/ Textiles/ Carpets > Non wovens Extrusion > Coextrusion Mechanical/ physical performance > Thermal resistance Safety, regulation & environment > Flame retardancy
Food contact approval	Yes
Bio Based	No

Flamestab® NOR 116 Properties

Property	Value & Unit	Test Condition	Test Method
Melting Point	108 - 123 °C		

Flash Point > 100 °C

Vapor Pressure 0.1 MPa At 20°C

Molecular Weight 2261 g/mol

Solubility < 40 ppb At 20°C in Water

Specific Gravity 1.06

Density, Bulk 0.28 g/ml

Angle of Repose 47 °

Weight Loss 1 % At 260°C (Heating Rate: 20°C/min in Air). TGA

Weight Loss 10 % At 285°C (Heating Rate: 20°C/min in Air). TGA

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