Chimassorb® 2020
The advanced light stabilizer for polypropylene fibers, yarns, nonwovens and carpets
More than a conventional HALS

- Smoother processing
- Increased productivity
- Lower fiber production costs
- Prolonged end-product life
- Reduced interaction with pigments

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Chimassorb® 2020 is a high-molecular-weight, hindered amine light stabilizer (HALS) with excellent polymer compatibility and high extraction resistance. It combines exceptionally high UV and long-term thermal stability in the presence of polymers, and is further distinguished by properties such as improved pigment dispersion and process control.

A wide variety of fiber applications
Chimassorb® 2020 is suitable for all polyolefins, especially:
- Polypropylene (PP) fibers and staple fibers, e.g., geomembranes and packaging
- PP fibers and yarns for automotive interiors and carpets
- PP spun-bond nonwovens for colored, outdoor and high-temperature applications

Stable at high temperatures
- Molecular weight: 2,600 – 3,400 g/mol
- Melting range: 120 – 150 °C
- Volatility (TGA*, in air at 20 °C/min)
  - Temperature at 1 % weight loss: 290 °C
  - Temperature at 10 % weight loss: 355 °C

Further end uses are PP and polyethylene (PE) tapes. These applications are described in a separate brochure.

High performance in processing and end use
Chimassorb® 2020 has numerous advantages over standard HALS.
Improved long-term thermal stability
High resistance to critical temperature conditions facilitates processing and prolongs end-product life.

Excellent light stability
Chimassorb® 2020 performs especially well in fine fibers and thin sections, prolonging the life of textiles and outdoor items.

Minimized interaction with fillers and pigments
Chimassorb® 2020 facilitates color matching, improves final product quality and helps to reduce coloration costs because it interacts very little with fillers and pigments and has excellent dispersion properties.

Optimized melt flow control
Higher stability during processing is achieved with Chimassorb® 2020 because it helps to control melt flow properties. This enables longer running times and reduces the formation of decomposition products. Optimum throughput increases productivity and lessens the need for equipment cleaning as well as lowering the number of filter changes required.

For more information on Chimassorb® 2020, please contact your local plastic additives representative or visit www.plasticadditives.basf.com.
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