Fluoroguard™
Polymer Additive

Compounding and Processing

Technical Information

**Fluoroguard™ Compounding**

Fluoroguard™ is incorporated into the polymer matrix by using conventional melt compounding equipment. Fluoroguard™ can be processed at temperatures as high as 300 °C (572 °F), because of its excellent thermal stability and low volatility. The recommended loading of Fluoroguard™ is 0.1–1%, depending on the base polymer matrix and final performance requirements. To realize efficient Fluoroguard™ incorporation, a twin-screw extruder with liquid additive feeding or injection capability is most suitable for compounding this additive with thermoplastic polymers. The processing equipment should be cleaned and purged properly with recommended purging compound, followed by base polymer/Fluoroguard™ to ensure accurate loading. A Fluoroguard™ masterbatch (<10% Fluoroguard™) can also be prepared and used in polymer compound formulations.

**Polymer/Fluoroguard™ Compound Processing**

Compounds containing Fluoroguard™ can be processed in conventional thermoplastic processing equipment. Before processing polymer/Fluoroguard™ compounds, the equipment should be cleaned thoroughly and purged, followed by purging with polymer/Fluoroguard™ compounds. Sufficient volume (at least 2-barrel volume of material) should be discarded to reduce the contamination of the final product by previous material processed in the equipment and also for priming equipment with Fluoroguard™. The discarded volume will vary, depending on a particular extruder or injection molding operation. The optimized volume should be determined as per customer’s requirement. Please review SDS and SPI safety and operation guide for the processing operation (e.g., injection molding and extrusion).

CAUTION: Do not use Chemours materials in medical applications involving permanent implantation in the human body or contact with bodily fluids or tissues, unless the material has been provided from Chemours under a written contract that is consistent with Chemours policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your Chemours representative. For medical emergencies, spills, or other critical situations, call (866) 595-1473 within the United States. For those outside of the United States, call (302) 773-2000.

The information set forth herein is furnished free of charge and based on technical data that Chemours believes to be reliable. It is intended for use by persons having technical skill, at their own discretion and risk. The handling precaution information contained herein is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Because conditions of product use are outside our control, Chemours makes no warranties, express or implied, and assumes no liability in connection with any use of this information. As with any material, evaluation of any compound under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

NO PART OF THIS MATERIAL MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR BY ANY MEANS ELECTRONIC, MECHANICAL, PHOTOCOPYING, RECORDING OR OTHERWISE WITHOUT THE PRIOR WRITTEN PERMISSION OF CHEMOURS.

For more information, visit www.fluoroguard.com

© 2016 The Chemours Company TT, LLC. Fluoroguard™ and any associated logos are trademarks or copyrights of The Chemours Company TT, LLC. Chemours™ and the Chemours Logo are trademarks of The Chemours Company.

Replaces: H-79795-1   C-10690 (2/16)