

XL-PEARL * 70M

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Description

XL-PEARL 70M is specially developed for the manufacture of XL-PEARL master- batches based on porous polymer carriers (according to EP 0 426 073 and US 5,112,919).XL-PEARL 70M is a high performance silane crosslinking system designed especially for halogen-free flame retardant and semiconductive compounds containing carbon black.

It is only available for licensees of the XL-PEARL 70M technology.

Key Features and Benefits

- XL-Pearl 70M masterbatches graft at temperatures below the decomposition temperature of hydrated fillers such as aluminum trihydrate (ATH)
- XL-Pearl 70M masterbatches do not react chemically with carbon black
- XL-Pearl 70M masterbatches ensure excellent grafting with ethylene copolymers
- XL-Pearl 70M masterbatches are less sensitive to moisture than standard crosslinking agents
- XL-Pearl 70M masterbatches contain a metal deactivator to ensure protection against copper oxidation

Typical Physical Properties

Appearance	Clear liquid
Color	Light yellow
Viscosity, mPa s (cP), @ 25°C	6.5
Specific Gravity, g/cm ³ , @ 25°C	0.910
Flash Point; Tag Closed Cup, ASTM D56-79, °C	25

Potential Applications

XL-Pearl 70M is an optimized silane crosslinking agent for halogenfree and other flame retardant compounds.

Manufacturing of XL-Pearl 70M masterbatches for the crosslinking of halogen-free flame retardant and semiconductive compounds.

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

Product Safety, Handling and Storage

The Self-Accelerating Decomposition Temperature (SADT) of XL-PEARL 70M in 217 Liter drums is predicted to be 77°C. However it is recommended that drums of XL-PEARL 70 are not stored or shipped at temperatures above 65°C, since some degradation of product may occur.

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

Contact Information

For product prices, availability, or order placement, contact our customer service at Momentive.com/CustomerService/

For literature and technical assistance, visit our website at: www.momentive.com

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