

## XL-PEarl™ 70M

### XL-PEARL© 70M

#### 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 <sup>3</sup> , @ 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

Standard copy to come

### 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.

Standard copy to come

### Limitations

Standard copy to come

### Contact Information

Email

[commercial.services@momentive.com](mailto:commercial.services@momentive.com)

### Telephone

<b>Americas</b>	<b>Latin America</b>	<b>EMEAI- Europe, Middle East, Africa &amp; India</b>	<b>ASIA PACIFIC</b>
+1 800 295 2392 Toll free*	<b>Brazil</b> +55 11 4534 9650 Direct Number	<b>Europe</b> +390510924300 Direct number	<b>China</b> 800 820 0202 Toll free +86 21 3860 4892 Direct number
*All American countries	<b>Mexico</b> +52 55 2169 7670	<b>India, Middle East &amp; Africa</b>	<b>Japan</b> +81 3 5544 3111

Direct Number	+ 91 44 71212207	Direct number
	Direct number*	
	<b>*All Middle Eastern</b>	<b>Korea</b>
	<b>countries, Africa, India,</b>	<b>+82 2 6201 4600</b>

For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)

**DISCLAIMER:**

**THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY “SUPPLIER”), ARE SOLD SUBJECT TO SUPPLIER’S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER’S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN.** Each user bears full responsibility for making its own determination as to the suitability of Supplier’s materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier’s products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier’s standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as

a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

\*XL-PEarl™는 Momentive Performance Materials Inc.의 상표입니다.

The use of the "™" symbol designates registered or unregistered trademarks of Momentive Performance Materials Inc. or its affiliated companies. Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.