

## 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

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### 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.

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### Limitations

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### 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>

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