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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Light yellow</td>
</tr>
<tr>
<td>Viscosity, mPa s (cP), @ 25°C</td>
<td>6.5</td>
</tr>
<tr>
<td>Specific Gravity, g/cm³, @ 25°C</td>
<td>0.910</td>
</tr>
<tr>
<td>Flash Point; Tag Closed Cup, ASTM D56-79, °C</td>
<td>25</td>
</tr>
</tbody>
</table>

*XL-PEARL is a trademark of Momentive Performance Materials Inc.*
Potential Applications
XL-Pearl 70M is an optimized silane crosslinking agent for halogen-free 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
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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