

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 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

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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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