

FAMOUS SPECIALITY CHEMICALS

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Revision Date: 2020-11-3
Name: FSC® PM-2010

NO. WHPU _0023
Version: 7.0

Application

FSC® PM-2010 is a mixture of high functionality isocyanate with diphenylmethane diisocyanate. The product has a functionality of 2.6-2.7. It is a brown liquid at room temperature.

FSC® PM-2010 is widely used in the production of rigid PU foam. Due to its unique composition, FSC® PM-2010 provides better batch to batch consistency, flowability and post-cure property. FSC® PM-2010 can provide light foam color and foaming ratio. Therefore, it is particularly suitable for large refrigerators, freezers and complex parts where good flowability is demanded.

Typical physical and chemical properties

Test Item(s)	Specification(s)
Appearance	Brown Liquid
Viscosity(25℃)/ (mPa • s)	170-250
NCO Content/%	30.5-32.0
Density (25℃) / (g/cm ³)	1.220-1.250
Acid Content/%	≤0.020
Hydrolysable Chlorine/%	≤0.20

Package(s)

210L iron drums, 250kg/drum Bulk

Storage

Since FSC® PM-2010 is a reactive chemical, reaction with atmospheric moisture happens easily and leads to the formation of insoluble urea and carbon dioxide gas, which can result in pressure build-up in closed containers and viscosity increase of the product. Containers must therefore be absolutely dry and carefully sealed after congested with nitrogen.

Containers of FSC® PM-2010 should be kept properly closed and stored indoors at ambient temperature (15~35℃) in a well-ventilated area. Storage at low temperature (below 5℃) may lead to some crystallization; this material must, therefore, be protected from frost.

If crystallization does occur, the material should be heated to 70-80°C to melt it out, and should then be thoroughly agitated before use.

Extended storage at temperatures above 50°C is not recommended to prevent from the formation of insoluble solids and viscosity increase.

Shelf Life

Under recommended storage conditions, the shelf life of FSC® PM-2010 is one year since the date of production.

For more information about safety and environment, please refer to our MSDS or contact our customer service center.