

3M™ Dyneon™ Fluoropolymer Dispersion

Shelf Life and Storage of 3M™ Dyneon™ Fluoropolymer Dispersion Products

Dyneon Fluoropolymer Dispersions have a shelf life of one year. This is calculated from the date of production, and on the condition that the material will be regularly subjected to homogenization. Gentle rolling or, in case of IBC's, gentle stirring are suggested means to achieve homogenization. It is recommended that this should be performed once or twice a month.

Mandatory storage temperatures for dispersions are within the range of + 5 °C to + 30 °C, although + 5 °C to + 20 °C are preferred.

A minimum temperature of + 5 °C is necessary to prevent freezing which would cause the dispersion to coagulate.

A temperature above + 30 °C could result in accelerated sedimentation of the polymer.

Polymer sedimentation is reversible by mild agitation. To avoid problems during processing, it is recommended that checks be made for sedimentation before use. Homogenization may then be conducted if necessary.

During prolonged storage, the pH value of the dispersion should be measured and maintained between pH 9.0 – 11.5. Levels below pH 9 can lead to bacterial growth resulting in odour and foam formation.

To adjust the pH value, we recommend the use of ammonium hydroxide.

Important Notice

All information set forth herein is based on our present state of knowledge and is intended to provide general notes regarding products and their uses. It should not therefore be construed as a guarantee of specific properties of the products described or their suitability for a particular application. Because conditions of product use are outside Dyneon's control and vary widely, user must evaluate and determine whether a Dyneon product will be suitable for user's intended application before using it.

The quality of our products is warranted under our General Terms and Conditions of Sale as now are or hereafter may be in force.

Technical information, test data, and advice provided by Dyneon personnel are based on information and tests we believe are reliable and are intended for persons with knowledge and technical skills sufficient to analyze test types and conditions, and to handle and use raw polymers and related compounding ingredients.

No license under any Dyneon or third party intellectual rights is granted or implied by virtue of this information.

General recommendations on health and safety in processing, on work hygiene and on measures to be taken in the event of accident are detailed in our material safety data sheets.

You will find further notes on the safe handling of fluoropolymers in the brochure "[Guide for the safe handling of Fluoropolymers Resins](#)" (download link) by PlasticsEurope, Box 3, B-1160 Brussels, Tel. +32 (2) 676 17 32.

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We will gladly supply further contact details for our full network of global sales offices. Alternatively, find them [here](#).



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