

TECHNICAL DATA SHEET

AQUEOUS DISPERSION FLUOROPLASTIC SUSPENSION-4AD-100

PRODUCT OVERVIEW

Fluoroplast-4D Aqueous Suspension is aqueous dispersion of PTFE fine powder (Fluoroplast-4D), aqueous dispersion is stabilized by surfactant.

TYPICAL APPLICATIONS

Preparation of industrial compositions for coating the metals, impregnation of glass fabrics and other materials. Belt conveyors, kitchenware, electronics, textile industry, architecture, mechanical engineering.

PACKING

PE drums (of 40 liters volume of each drum) on 1 wooden pallet
PE containers (of 1000 liters volume) in metal frame on 1 wooden pallet

Characteristics	Unit	Value	Test methods
Appearance		Liquid of white to light-yellow colour Precipitation and dark sediment formed on the suspension surface and eliminated by shaking or swinging are allowed.	Visual
Mass fraction of non-volatile substances, min	%	58-64	internal method ²⁾
Mass fraction of a stabilizing agent (on dry basis), within	%	7-9	internal method ²⁾
Hydrogen ion concentration (pH)	pH	8-10	internal method ²⁾

Note:

- 1) Typical properties are not suitable for specification purposes. Detailed specification please contact the commercial department
- 2) The parameters are indicated according to Technical Specifications (TU), because the manufactured products are analyzed in accordance with TU (internal company standard). The procedure of sample preparation differs from that in ASTM, ISO, DIN

REGULATIONS: HaloPolymer do not use PFOA/APFO or its salts/LCPFAC in our process of polymerization of TFE
HaloPolymer PTFE is compliant with
RoHS Directive 2011/65/EU

FDA 21 CFR 177.1380 & FDA 21 CFR 177.1550

Class VI acc. USP 35 <88>

3-A Sanitary Standard for Multiple-Use Plastic Materials 20-27

SAFETY PRECAUTIONS

WARNING!

VAPORS CAN BE HAZARDOUS IF INHALED.

Before using, please read the Safety Data Sheet.

Please refer to the manufacturer's safety data sheet (SDS) for more information about health effects of specific product which you intend to process.

Open packaging and use product only in well-ventilated areas using local exhaust ventilation. If there is no adequate control over pollutants, appropriate means of respiratory protection should be used.

Health effects of decomposition products: although fluoroplastics are classified as the most heat-resistant plastics, they start to form toxic air polluting substances at their recommended processing temperatures or at temperatures slightly above processing temperatures. For this reason, it is recommended to use local exhaust ventilation during processing operations.

Personal hygiene: during training of personnel it is important to concentrate on the point that tobacco products should not be kept or used in the work areas. Smoking tobacco contaminated with even very small amounts of fluoroplastics can cause polymer fume fever resulting from the inhalation of waste substances.

Storage: Fluoroplast-4D Aqueous Suspension shall be transported and stored at temperatures range from +5°C till +25°C in a clean dry place (warehouse) in conditions excluding moisture, other contaminants ingress and direct sun lights at the distance of 1m minimum from the heating. Attention: intense shaking of Suspension while transporting is forbidden.

During the storage Fluoroplast-4D Aqueous Suspension shall be lightly agitated once in 3 weeks. Agitation can be performed by swirling of the drum at the rate of 3-4 revs/min during 5 minutes or by stirring with plain bar during 3-4 minutes. Caution: in case of vigorous agitation Fluoroplast-4D Aqueous Suspension could flocculate.

. To avoid contamination of Fluoroplast-4D Aqueous Suspension when opening a drum/box, we recommend that the lid and drum/ container be thoroughly cleaned beforehand. Before processing it is advisable to store material in a closed drum/ container for 24 hours in the production area in the temperature range of 21-25 °C (73.4±3.6°F).

QMS for production is certified:

ISO 9001:2015

AS/EN/JISQ 9100 (OIN: 6147343925)

IATF 16949:2016

IMDS [154102]

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