

Processable fluoropolymer

FLUORINATED ETHYLENE PROPYLENE DISPERSION (DS603A/B)

Conformable with Q/DYS 004-2007

Fluorinated Ethylene Propylene concentrated dispersion is the copolymer of TFE and HFP, stabilized with non-ionic surfactant. It endows FEP products which can't be processed by traditional methods several unique properties. The resin in emulsion is real thermoplastic plastic with typical outstanding characteristics of fluoride Resin: It can be used at temperature up to 200°C continuously, the maximum operating temperature is 240°C. It is inert to almost all industrial chemicals and solvents. Its products have excellent thermal stability, corrosion resistance, excellent chemical inertness, good electrical insulation, and low coefficient of friction.

Quality Specification

| Item | Unit | DS603 | |
|--------------------------|---------|---------------------------|---------|
| | | A | B |
| Appearance | | Milky or yellowish liquid | |
| Melting Index | g/10min | <0.8 | 0.8~2.0 |
| Solid | | 50±2 | |
| Surfactant concentration | | 6±1 | |
| pH Value | | 8±1 | |

Main Applications

It can be used for coating, impregnation. It is also suitable for the processing of many products, including heat resistant PTFE impregnated fiber surface coating, PWB, or electrical insulation materials, injection film, or chemical isolation materials, as well as PTFE /FEP mutual connection melt adhesive. The liquid also can be used for modulation of the underlying substrate metal coating, and for the production of glass cloth composite antifouling coating, and polyimide composite as high insulation membrane.

Attention

- 1、 The processing temperature should not exceed 400°C, to prevent toxic gas from releasing.
- 2、 Stirring the stored product once a week to avoid any possible precipitation.

Package, Transportation and Storage

- 1、 Packed in plastic drums, and in hard circular barrels outside. Net weight is 25kg per drum.
- 2、 stored in clean and dry places, temperature range is 5°C~30°C.
- 3、 The product is transported according to non-dangerous product, avoid heat, moisture or strong shock.

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