

## C.O.I.M. FILCO® 300 Non Ionic Epoxy-Polyester Aqueous Emulsion for Glass Fiber Sizing

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer , Thermoplastic

### Material Notes:

Description: Non Ionic Epoxy-Polyester Aqueous Emulsion for Glass Fiber Sizing  
General Information: COIM has developed a range of polyesters for the treatment of glass fiber. These polyesters come in powder and emulsion form and are collectively known as FILCO®. The products in the FILCO® line serve to size glass fiber, to optimize the mechanical characteristics of the fiber, or to bind the fibers for the production of mat.  
Applications: Filco 300 is recommended for sizing of glass fiber to be used for reinforcement of unsaturated polyester and epoxy matrix. Its molecular structure is typical for a highly crystalline polymer in which the oxyranic functions are ranged on both terminal parts and lateral ramifications.  
The most important applicable properties of Filco 300 are as follows: good degree of affinity with epoxy matrixes employed in the production of glass/resin compound  
high chemical and hydrolytic resistance of compounds themselves  
good degree of compatibility with various sizing compounds, including the aminic organosilanes in a wide pH range  
suitable for partial self-cross-linking during sizing fiber drying maintaining sufficient residual functionality to bind matrix chemically. This cross-linkage occurs above 130°C.  
Information provided by P.A.T. Products, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_COIM-FILCO-300-Non-Ionic-Epoxy-Polyester-Aqueous-Emulsion-for-Glass-Fiber-Sizing.php](http://www.lookpolymers.com/polymer_COIM-FILCO-300-Non-Ionic-Epoxy-Polyester-Aqueous-Emulsion-for-Glass-Fiber-Sizing.php)

Physical Properties	Metric	English	Comments
Solids Content	39 - 41 %	39 - 41 %	
Particle Size	0.70 - 0.90 µm	0.70 - 0.90 µm	
pH	5.5 - 7.5	5.5 - 7.5	
Viscosity	300 - 500 cP	300 - 500 cP	

Descriptive Properties	Value	Comments
Appearance	Milky Liquid	

## Contact Songhan Plastic Technology Co.,Ltd.

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