

C.O.I.M. FILCO® 306 Film Former for Glass Fiber Sizes

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

Material Notes:

Description: Film Former for Glass Fiber Sizes
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.
Typical Physical and Chemical Characteristics: Filco 306 is an epoxy resin in non-ionic water emulsion pure epoxy resin epoxy equivalent ~ 330 narrow particle size distribution hydrolysis and sedimentation stability from pH 2 to 12 min. 48 h good shelf life high mechanical shear stability of the diluted emulsion
Characteristics of the dried film: clear tacky film film less soft than the film for Filco 309 compatible with unsaturated polyester, epoxy, phenolic matrices quickly soluble in styrene
Applications: Filco 306 is suggested as a film former for glass fiber sizes for: filament winding roving pultrusion roving woven roving
 Information provided by P.A.T. Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_COIM-FILCO-306-Film-Former-for-Glass-Fiber-Sizes.php

Physical Properties	Metric	English	Comments
Solids Content	48 - 52 %	48 - 52 %	MA145LFE
Particle Size	0.15 - 0.60 µm	0.15 - 0.60 µm	MA147LFE
pH	5.5 - 7.5	5.5 - 7.5	MA148LFE
Viscosity	1000 - 2000 cP @Temperature 25.0 °C	1000 - 2000 cP @Temperature 77.0 °F	spindle n 3-10 RPM; MA143LFE

Descriptive Properties	Value	Comments
Appearance	Milky Liquid	
Epoxy Equivalent on Dry Resin	300-360	(g), MA149LFE

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