

C.O.I.M. FILCO® 658 N Non Ionic Aqueous Emulsion of Unsaturated Polyester Polymer

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

Material Notes:

Description: Non Ionic Aqueous Emulsion of Unsaturated Polyester Polymer
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 658 N has been studied as an insoluble binder for glass fiber. Particularly for chopped strand mat, continuous strand mat and perform. It is also suggested as a film forming component of glass fiber sizing for SMC, BMC, and DMC. When Filco 658 N is used as an insoluble liquid binder benzoyl peroxide must be added (0.6 - 1.2% of active peroxide on Filco 658 N). Temperatures between 160°C and 190°C for 40 - 60 seconds are recommended for the binder cross link in the dryers during the mat production process. When Filco 658 N is used as a film former in glass fiber sizing formulations for SMC, BMC, and DMC no benzoyl peroxide should be added. In both applications the resulting products make thermosetting glass/resin composites having good physical and mechanical properties.

Information provided by P.A.T. Products, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_COIM-FILCO-658-N-Non-Ionic-Aqueous-Emulsion-of-Unsaturated-Polyester-Polymer.php

Physical Properties	Metric	English	Comments
Solids Content	48 - 52 %	48 - 52 %	
Particle Size	0.60 - 1.0 µm	0.60 - 1.0 µm	MA147LFE
pH	1.5 - 2.5	1.5 - 2.5	MA148LFE
Brookfield Viscosity	1.2 - 2.2 cP @Temperature 20.0 °C	1.2 - 2.2 cP @Temperature 68.0 °F	Brookfield RVT spindle 2.2 RPM

Descriptive Properties	Value	Comments
Appearance	Milky Liquid	

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