

ADVALON[®] CF 3295

Functional Silicone Fluids

ADVALON[®] CF 3295 is a ~20% solids macroemulsion finish for "PAN" carbon fiber precursor. ADVALON[®] CF 3295 is based on proprietary silicone technology.

Properties

ADVALON[®] CF 3295 is designed to give good wetting and penetration to promote uniform fiber-to-metal and fiber-to-fiber lubrication throughout fiber processing while preventing "fusion" of fibers. The active substance in ADVALON[®] CF 3295 is by nature a good conductor and thus also serves as an antistatic agent.

Technical data

General Characteristics

Property	Condition	Value	Method
Solid content ⁽¹⁾	-	~ 20 %	-
pH (as is) ⁽²⁾	-	6	-
Viscosity	-	< 200 mPa·s	WSTM 3001
Appearance	25 °C	white milky liquid	WSTM 3043

¹WSTM 3364

²WSTM 3008

These figures are only intended as a guide and should not be used in preparing specifications.

All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

Applications

- Textile & Leather

Application details

Although ADVALON® CF 3295 can be used as-is, ADVALON® CF 3295 can also be easily diluted to a lower concentration using deionized water and simple mixing. Care should be taken so as to not incorporate too much air while mixing as foaming can occur. Compatibility tests should be performed before using with other chemicals. The usual method of application is via dip bath. Usual active add-on to the PAN precursor is ~1-2% on the weight of the fiber.

PAN precursor applied with ADVALON® CF 3295 exhibits good frictional behavior both from a fiber-to-metal and fiber-to-fiber perspective. Having good frictional behavior allows the fiber to be processed smoothly without damage to the PAN precursor. The antistatic behavior of ADVALON® CF 3295 also helps facilitate smooth processing by preventing loose fibers from "dancing" and becoming disoriented relative to the bulk of the fiber mass which could result in "snagging" and ultimately damage to the precursor.

Packaging and storage

Storage

The "Best use before end date" of each batch is shown on the Certificate of Analysis. Storage beyond the date specified on the Certificate of Analysis does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

For specific information regarding safe handling of this material, please refer to the Safety Data Sheet.

QR Code ADVALON® CF 3295



For technical, quality or product safety questions, please contact:

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