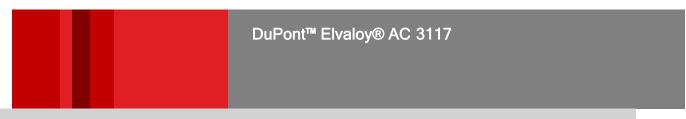
DuPont Packaging & Industrial Polymers





Elvaloy® AC resins Product Data Sheet

				- 0		
	esc		m	Ť١	$\boldsymbol{\cap}$	г.
ш		7 1	u	ш	u	ш

Product Description Elvaloy® AC 3117 is a copolymer of ethylene and butyl acrylate. It is available in pellet form for use in conventional extrusion equipment designed to process

polyethylene type resins.

Restrictions

Material Status

• Commercial: Active

Typical Characteristics

Composition 17 % By Weight Butyl Acrylate comonomer content

Typical Properties

Physical Nominal Values Test Method(s) ASTM D792 * Density () 0.924 g/cm³ ISO 1183 Melt Flow Rate (190°C/2.16kg) **ASTM D1238** 1.5 g/10 min ISO 1133 Thermal **Nominal Values** Test Method(s) Melting Point (DSC) 99°C (210°F) **ASTM D3418** ISO 3146 60°C (140°F) ISO 306 Vicat Softening Point **ASTM D1525**

Processing Information

General

* Maximum Processing Temperature 310°C (590°F)

General Processing Information Elvaloy® AC 3117 is normally processed at melt temperatures ranging from 160°C -

235°C (320°F - 455°F) in blown film or cast film equipment. A typical blown film extruder temperature profile is given below. Actual processing temperatures will be determined by either the specific equipment or one of the other polymers in a coextrusion. Elvaloy® AC 3117 can also be used in cast extrusions and coextrusions. It is easily processed on standard equipment used for low density polyethylene.

Blown Film Processing Nominal Values

Blown Film Processing Information A suggested extrusion set temperature profile is shown below.

 Feed Zone
 135°C (275°F)

 Second Zone
 160°C (320°F)

 Third Zone
 185°C (365°F)

 Fourth Zone
 185°C (365°F)

Fifth Zone 185°C (365°F) Adapter Zone 185°C (365°F) Die Zone 185°C (365°F)

FDA Status Information

ELVALOY® AC 3117 Acrylate Copolymer Resin complies with Food and Drug Administration Regulation 21 CFR 175.105 - - Adhesives. This Regulation describes adhesives that may be used as components of articles intended for use in packaging, transporting, or holding food, subject to the limitations and requirements therein.

ELVALOY® AC 3117 Acrylate Copolymer Resin complies with Food and Drug Administration Regulation 21 CFR 176.180 - - Components of paper and paperboard in contact with dry food, subject to the limitations and requirements therein. This Regulation describes substances that may be used as components of the uncoated and coated food-contact surface of paper and paperboard in contact with dry food (Food Type VIII, identified in 21 CFR 176.170(c), Table 1).

This resin also complies with U.S. Food and Drug Adminstration regulation 21CFR176.180; Components of paper and paperboard in contact with dry food, for use as a component of the uncoated or coated food-contact surface of paper and paperboard in contact with dry food (food type VIII, identified in 21CFR176.170(c), Table 1).

The information and certifications provided herein are based on data we believe to be reliable, to the best of our knowledge. The information and certifications apply only to the specific material designated herein as sold by DuPont and do not apply to use in any process or in combination with any other material. They are provided at the request of and without charge to our customers. Accordingly, DuPont cannot guarantee or warrant such certifications or information and assumes no liability for their use.

Regulatory Information

For information on regulatory compliance outside of the U.S., consult your local DuPont representative.

Safety & Handling

For information on appropriate Handling & Storage of this polymeric resin, please refer to the Material Safety Data Sheet...

A Product Safety Bulletin, Material Safety Data Sheet, and/or more detailed information on extrusion processing and/or compounding of this polymeric resin for specific applications are available from your DuPont Packaging and Industrial Polymers representative.

Read and Understand the Material Safety Data Sheet (MSDS) before using this product

Regional Centres

DuPont operates in more than 70 countries. For help finding a local representative, please contact one of the following regional customer contact centers:

Americas

DuPont Company Chestnut Run Plaza - Bldg. 730 974 Centre Road Wilmington, Delaware 19805 U.S.A. Toll-Free (USA): 1-800-628-6208

Telephone: 1-302-774-1000

1-302-355-4013 Fax:

Asia Pacific

DuPont China Holding Co., Ltd. Shanghai Branch 399 Keyuan Road, Bldg. 11 Zhangjiang Hi-Tech Park Pudong New District, Shanghai P.R. China (Postcode: 201203) Telephone +86 21 3862 2888 Fax +86-21-3862-2889

Europe / Middle East / Africa

DuPont de Nemours Int'1. S.A. 2.Chemin du Pavillon Box 50 CH-1218 Le Grand Saconnex Geneva, Switzerland Telephone +41 22 717 51 11 Fax +41 22 717 55 00

DuPont do Brasil, S.A. Alameda Itapecuru, 506 06454-080 Barueri, SP Brasil Telephone: +55 11 4166 8000 Fax: +55 11 4166 8736

http://elvaloy.dupont.com

The data listed here fall within the normal range of properties, but they should not be used to establish specification limits nor used alone as the basis of design. The DuPont Company assumes no obligations or liability for any advice furnished or for any results obtained with respect to this information. All such advice is given and accepted at the buyer's risk. The disclosure of information herein is not a licence to operate under, or a recommendation to infringe, any patent of DuPont or others. Since DuPont cannot anticipate all variations in actual end-use conditions, DuPont makes no warranties and assumes no liability in connection with any use of this information.

CAUTION: Do not use DuPont materials in medical applications involving implantations in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding medicalk applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of DuPont POLICY Regarding Medical Applications H-50103-3 and DuPont CAUTION Regarding Medical Applications H-50102-3.

Copyright © 2009 DuPont. The DuPont Oval Logo, DuPont™, The miracles of science™, and trademarks designated with "®" are registered trademarks or trademarks of E.I. du Pont de Nemours and Company or its affiliates. All rights reserved.

This data sheet is effective as of 08/08/2010 12:41:45 PM and supersedes all previous versions.