

DuPont™ Conpol™ 5B10S1

Conpol™ resins Product Data Sheet

Description

Product Description	DuPont™ Conpol® 5B10S1 is a concentrated masterbatch utilizing an ethylene-methacrylic acid carrier resin. It is supplied in pellet form and is intended for blending with DuPont Surlyn® and Nucrel® resins to modify the surface properties of resulting films or coatings.
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Restrictions

Material Status	<ul style="list-style-type: none"> Commercial: Active
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Typical Characteristics

Uses	<ul style="list-style-type: none"> Polymer Modifier
Composition	Ethylene Methacrylic Acid copolymer, with slip and anti-block additives
Features	5% by weight inorganic type anti-blocking agent 10% by weight amide type slip agent
Applications	Coefficient of Friction modifier for the surface of films, coatings, sheeting, or profiles made from DuPont Surlyn® and Nucrel® resins.

Typical Properties

Physical	Nominal Values	Test Method(s)	
* Density ()	0.93 g/cm ³	ASTM D792	ISO 1183
* Melt Flow Rate (190°C/2.16kg)	22 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
* Melting Point (DSC)	99°C (210°F)	ASTM D3418	ISO 3146
Freezing Point (DSC)	83°C (181°F)	ASTM D3418	ISO 3146

Processing Information

General	
* Maximum Processing Temperature	310°C (590°F)
General Processing Information	Intended for use by blending into Surlyn® or Nucrel® resins utilized in the process of extrusion to produce blown / cast films, sheeting, or extrusion coatings, either in monolayer or coextrusion. Concentrations will vary depending upon application, but normally range from the addition of 2 to 8% Conpol 5B10S1 into a given Surlyn® or Nucrel® resin.

FDA Status Information

CONPOL™ 5B10S1 Additive Resin is designed to modify the surface properties of films or coatings. This is a concentrated masterbatch product and is designed to be blended with the resin to be modified.

CONPOL™ 5B10S1 Additive Resin complies with U.S. Food and Drug Administration Regulation 21 CFR 177.1330(a) - - Ionomeric resins, subject to the limitations and requirements therein. This Regulation describes polymers that may be used in contact with food, subject to the finished food-contact article meeting the extractive limitations under the intended conditions of use, as shown in paragraph (c) of the Regulation.

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 Regulatory status outside the United States, please consult with 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:

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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

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

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medical 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.

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This data sheet is effective as of 08/07/2010 05:45:05 PM and supersedes all previous versions.