

DuPont™ Conpol™ 5B10S1

Conpol™ resins Product Data Sheet

Description

Product Description DuPont™ Conpol® 5B10S1 is a concentrated masterbatch made from 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.

Restrictions

Material Status • Commercial: Active

Typical Characteristics

Uses • Packaging

Composition 5 and 10% By Weight Amide based slip agent and inorganic based antiblocking agent

Applications Coefficient of Friction modifier for the surface of films or coatings 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)	36 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	

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, 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 resin conforms to the Code of Federal Regulations, Title 21, Paragraph 177.1330 covering its use as a food contact surface subject to the extractives limitations on the finished food contact article as described in the

regulation.

Regulatory Information

For Regulatory status outside the United States, please consult with your local DuPont representative.

Safety & Handling

Conpol® resins as supplied by DuPont are not considered hazardous materials. As with any hot material, care should be taken to protect the hands and other exposed parts of the body when handling molten polymer. At recommended processing temperatures, small amounts of fumes may evolve from the resins. When resins are overheated, more extensive decomposition may occur. Adequate ventilation should be provided to remove fumes from the work area. Disposal of scrap presents no special problems and can be by landfill or incineration in a properly operated incinerator. Disposal should comply with local, state, and federal regulations. Resin pellets can be a slipping hazard. Loose pellets should be swept up promptly to prevent falls. For more detailed information on the safe handling and disposal of DuPont resins, a Material Safety Data Sheet can be obtained from the DuPont Packaging and Industrial Polymers website or by contacting your sales 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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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 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 01/04/2008 12:05:45 PM and supersedes all previous versions.

