



Dow Packaging & Specialty Plastics

Product Data Sheet

CONPOL™ 20S1

Additive Resin

General Information

Product Description	CONPOL™ 20S1 is a concentrated masterbatch made from an ethylene-methacrylic acid carrier resin. Supplied in pellet form, it is intended for blending with SURLYN™ and NUCREL™ resins to modify the surface properties of resulting films or coatings.
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Status

Material Status	Commercial: Active
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Typical Characteristics

Uses	Packaging
Composition	20% By Weight Amide type slip agent
Applications	Coefficient of Friction modifier for the surface of films or coatings made from SURLYN™ and NUCREL™ resins.

Typical Properties

Physical	Nominal Values	Test Method(s)	
*Density ()	0.93 g/cm ³	ASTM D792	ISO 1183
*Melt Flow Index (190°C/2.16kg)	60 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
*Melting Point (DSC)	99 °C (210.2 °F)	ASTM D3418	ISO 3146
Freezing Point (DSC)	83 °C (181.4 °F)	ASTM D3418	ISO 3146

Processing Information

*Maximum Processing Temperature	310 °C (590 °F)
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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 1 to 5% CONPOL™ 20S1 into a given SURLYN™ or NUCREL™ resin.
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FDA Status Information	CONPOL™ 20S1 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.
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CONPOL™ 20S1 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 Dow 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, Dow 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 Dow 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 Dow Performande Materials representative.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

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For further information contact your Dow sales or technical representative to request a Medical Application Review Request Form.

Additional details of Dow's Medical Applications Policy are available at:

<https://www.dow.com/en-us/support/product-safety.html>

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Harmful Applications Policy

Dow does not intend for its products to be used in applications specifically intended to harm humans.

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http://www.dow.com/products_services

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P&SP Disclaimer

Additional Information

To contact Dow via Toll-Free or Local Toll phone numbers in specific countries, please see the following webpage:
<https://www.dow.com/en-us/support/contact-representative.html>

<http://www.dow.com>

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