

DuPont™ Entira™ Antistat 500

Entira™ Antistat resins Product Data Sheet

Description

Product Description DuPont™ Entira™ Antistat 500 is an extremely hygroscopic ionomer resin that is supplied as free-flowing pellets.

Restrictions

Material Status

- Developmental: Active

Typical Characteristics

Uses

- Film
Industrial Applications
Packaging

Features Entira™ Antistat 500 is used to lower the static decay time and surface resistivity of LDPE, LLDPE and other polymers.

Characteristics / Benefits Entira™ Antistat 500 can be precompounded or dry blended into polymers for extrusion, molding, or various other processing methods

Applications Antistatic agent for polyolefins and other polymers, in films, moldings and extruded forms

Typical Properties

Physical	Nominal Values	Test Method (s)	
Density ()	1.0 g/cm ³	ASTM D792	ISO 1183
Melt Flow Rate (190°C/2.16kg)	8.0 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method (s)	
Melting Point (DSC)	92°C (198°F)	ASTM D3418	ISO 3146

Processing Information

General

Maximum Processing Temperature 250°C (482°F)

General Processing Information Entira™ Antistat 500 is a hygroscopic material. To minimize exposure to moisture, any remaining material should be hermetically sealed in a barrier package immediately after use, removing as much air from the package as possible.

In order to reuse remaining material that has been hermetically sealed the material should be dried under vacuum with a nitrogen flow at a maximum of 60C (140F) for several hours prior to use. Alternately use of a dessicated air drier with a dewpoint of the air at -40C (-40F) may be possible to use. Maximum air drying temp of 60C.

Entira™ Antistat 500 is available in pellet form for use in conventional equipment for processing polyolefins. It can be fed together with base polymers and other additives in the hopper during processing. Typical addition levels range from 10% to 20%.

FDA Status Information	This polymer does not comply with any current U.S. FDA regulations covering direct or indirect food contact, and should not be used in food packaging applications.
Regulatory Information	For information on compliance with food contact laws & regulations of other countries, please contact your local DuPont representative.
Safety & Handling	Entira™ Antistat 500 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 09/14/2007 03:04:30 PM and supersedes all previous versions.