

DuPont™ Entira™ AS MK400

Entira™ AS resins Product Data Sheet

Description

Product Description Entira™ AS MK400 is an extremely hygroscopic ionomer resin that is supplied as free-flowing pellets.

Restrictions

Material Status • Commercial: Active

Typical Characteristics

Uses • Industrial Applications Packaging

Features Entira™ AS MK400 is used to lower the static decay time and surface resistivity of polyolefins and other polymers.

Characteristics / Benefits Entira™ AS MK400 can be precompounded or dry blended into polymers for extrusion, molding, or various other processing methods

Applications Antistatic agent for use in films, moldings, and extruded forms.

Typical Properties

Physical	Nominal Values	Test Method(s)	
* Density ()	0.97 g/cm ³	ASTM D792	ISO 1183
* Melt Flow Rate (190°C/2.16kg)	1.0 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
* Melting Point (DSC)	91°C (196°F)	ASTM D3418	ISO 3146
Freezing Point (DSC)	61°C (142°F)	ASTM D3418	ISO 3146
Vicat Softening Point ()	59°C (138°F)	ASTM D1525	ISO 306

Processing Information

General

* Maximum Processing Temperature 250°C (482°F)

General Processing Information Entira™ AS MK 400 is a very hygroscopic material. To minimize exposure to moisture, any remaining material should be hermetically sealed in a barrier package immediately after use. The bag have as much air removed as possible prior to sealing. A vacuum to pull out the air can be used to assist this process. In order to reuse remaining material that has been hermetically sealed, the material should be dried under vacuum with a nitrogen flow at 50–60°C for several hours prior to use. Entira™ AS MK400 is available in pellet form for use in conventional equipment for

processing polyolefins. Entira™ AS MK400 can be fed together with base polymers and other additives in the hopper during processing. Typical addition levels range from 10 - 30%.

FDA Status Information

Entira™ AS MK400 resin complies with the 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 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.

Regulatory Information

For information on compliance outside the USA please contact 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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