

DuPont™ PE Series LDPE 3769

DuPont™ PE Series resins Product Data Sheet

Description

Product Description DuPont(TM) LDPE 3769 is a grade of low density polyethylene resin that is suitable for use in blown film applications. This grade may contain low levels of Vinyl Acetate. (See notes below under Typical Characteristics.)

Typical Characteristics

Composition VA % By Weight *** Vinyl Acetate content ranges from 0 to 3.5%

Features LDPE 3769 contains approximately 100 ppm BHT antioxidant additive. LDPE 3769 contains up to 200 ppm Slip additive.

Applications The determination of the specific suitability of this resin is the direct responsibility of the users. The performance of this material can be affected by variability in product properties and processing conditions.

Typical Properties

Physical	Nominal Values	Test Method(s)	
* Density ()	0.92 g/cm ³	ASTM D792	ISO 1183
* Melt Flow Rate (190°C/2.16kg)	2.2 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
* Melting Point (DSC)	112°C (234°F)	ASTM D3418	ISO 3146

Attach Images Here

Processing Information

General

* Maximum Processing Temperature 235°C (455°F)

General Processing Information LDPE 3769 is normally processed at melt temperatures ranging from 160-235°C (325-455°F).

Unusual materials of construction are not required in the processing of this resin due to the non-corrosive nature of LDPE polyethylene. For long equipment life, a wear-resistant extruder barrel is recommended. Nickel or chrome plating of the screw, adapter, and die parts is also recommended.

FDA Status Information

LDPE 3769 conforms with the U.S. Code of Federal Regulations, Title 21 Paragraph 177.1520 -- Olefin polymers. This regulation describes polymers that may be safely used as articles or components of articles with all types of foods.

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.

Safety & Handling

LDPE polyolefin 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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This data sheet is effective as of 03/19/2009 05:07:09 PM and supersedes all previous versions.