

DuPont™ PE Series LDPE 3769P

DuPont™ PE Series resins Product Data Sheet

**Description**

**Product Description** DuPont(TM) LDPE 3769P is a grade of low density polyethylene resin that is suitable for use in blown film applications.

**Typical Characteristics**

**Features** LDPE 3769P contains approximately 50 ppm BHT antioxidant 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 <sup>3</sup>	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 3769P 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 3769P 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 01:10:16 PM and supersedes all previous versions.*

