

DuPont™ PE Series LDPE 1541

DuPont™ PE Series resins Product Data Sheet

Description

Product Description DuPont(TM) LDPE 1541 is a low density polyethylene resin for extrusion coating applications. Its benefits include high extrusion speeds and low heat sealing temperatures. The resin is particularly suited for intermediate and light weight coatings applied at speeds in the range of 300-1000 fpm.

Typical Characteristics

Features LDPE1541 contains approximately 50 ppm BHT antioxidant additive.

Applications Materials coated with LDPE1541 are used for packaging meats, cheeses, fruit juices, powdered products, chemicals and a variety of other products.

Typical Properties

Physical	Nominal Values	Test Method (s)	
* Density (g/cm ³)	0.917 g/cm ³	ASTM D792	ISO 1183
* Melt Flow Rate (190°C/2.16kg)	8 g/10 min	ASTM D1238	ISO 1133

Thermal	Nominal Values	Test Method (s)	
* Melting Point (DSC)	110°C (230°F)	ASTM D3418	ISO 3146

Attach Images Here

Processing Information

General

* Maximum Processing Temperature 335°C (635°F)

General Processing Information LDPE 1541 is normally processed at melt temperatures ranging from 260-310°C (500-590°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 1541 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

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Regulatory Information

For information on regulatory compliance outside of the U.S., consult your local DuPont representative.

Safety & Handling

A Product Safety Bulletin, Material Safety Data Sheet, and more detailed information on compounding and processing DuPont™ LDPE resins 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:

Americas

DuPont Company
Chestnut Run Plaza – Bldg. 730
974 Centre Road
Wilmington, Delaware
19805 U.S.A.
Toll-Free (USA): 1-800-628-6208
Telephone: 1-302-774-1000
Fax: 1-302-355-4013

Asia Pacific

DuPont China Holding Co., Ltd.
Shanghai Branch
399 Keyuan Road, Bldg. 11
Zhangjiang Hi-Tech Park
Pudong New District, Shanghai
P.R. China (Postcode: 201203)
Telephone +86 21 3862 2888
Fax +86-21-3862-2889

Europe / Middle East / Africa

DuPont de Nemours Int'l. S.A.
2, Chemin du Pavillon Box 50
CH-1218 Le Grand Saconnex
Geneva, Switzerland
Telephone +41 22 717 51 11
Fax +41 22 717 55 00

DuPont do Brasil, S.A.
Alameda Itapecuru, 506
06454-080 Barueri, SP Brasil
Telephone: +55 11 4166 8000
Fax: +55 11 4166 8736

http://www2.dupont.com/DuPont_Home/en_US/index.html

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