

TECHNICAL DATA SHEET

Contalen 0050 COF

Low Density Polyethylene [LDPE]

Product Description

Contalen 0050 COF resins are LDPE homopolymers containing LLDPE derived from post-consumer film waste (100% post-consumer waste), intended for blown and cast film extrusion and injection molding. It has outstanding processing properties. Contalen 0050 COF is suitable for the film production of above 35 µm which are characterized by very good mechanical properties.

General

Applications	+ Blend Partner + Produce bags + Co-extruded films + Construction films	+ Painting tarpaulins + Industrial packaging (furniture packaging) + Pouches	+ Waste bags + Agricultural film + Packaging film
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Form Pellets

Filtration 100 µm

Revision Date 10.06.2024

Resin Properties

Nominal Value (SI)

Test Method

Density	0,920 g/cm ³ (± 0,02 g/cm ³)	EN 1183-1
Melt Index (190°C/2,16 kg)	1,1 g/10 min (± 0,3 g/10 min)	EN ISO 1133-1
Bulk density	0,50 kg/ dm ³ (± 10%)	EN ISO 60
Surface humidity	< 0,1 %	Conkret Method

Film Properties

Nominal Value (SI)

Test Method

Maximum tensile force [MD]	31 N/50 mm	EN 12311-2 meth. A
Maximum tensil force [TD]	28 N/50 mm	EN 12311-2 meth. A
Elongation at maximum tensile force [MD]	390%	EN 12311-2 meth. A
Elongation at maximum tensile force [TD]	610%	EN 12311-2 meth. A
Elongation at Break [MD]	406%	EN 12311-2 meth. A
Elongation at Break [TD]	612%	EN 12311-2 meth. A
Elastic Modulus [E]	158 MPa	EN 12311-2 meth. A
Dart Drop Impact	78,6 g	EN ISO 7765-1
Puncture Force	10 N	ASTM D5748-95
Puncture Energy	0,58 J	ASTM D5748-95

Optical Properties

Nominal Value (SI)

Test Method

Gloss (45°)	42	ASTM D2457
Haze	15,6%	ASTM D1003

Legal Statement

This product is not intended for and must not be used in any pharmaceutical/medical applications. Contact your Contalen Customer Service Representative for potential food contact application compliance.

Processing Statement

The properties of the film have been marked on the foil of thickness 35 µm, extruded at the temperature of the melted plastic 180°C & BUR 1:2,0.

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Other

Due to material characteristics it is advisable to dessicate material before its use as to eliminate humidity that may occur during transport or storage because of temperature change.

For additional technical, sales and order assistance go to www.contalen-recycling.com

The data listed are in line with the current state of knowledge and experience as well as with the provisions of the national law in force at the time of drawing up the document. However, it is not a guarantee of any product properties or quality specification and cannot form a basis for any complaint. The recipient is responsible for compliance with the applicable local regulations.

The product should be transported, stored and used in accordance with current regulations, and the good work practice and hygiene. The producer shall not be held responsible for direct or indirect losses resulting from application of the above interpretation of regulations or instructions.

Presented information does not apply to product mixtures with other substances. Use of provide information and of the product is outside the producer's control, therefore, it is a user's responsibility to create appropriate conditions for safe handling of the product.

Information pursuant to Art. 32 of the Regulation of the European Parliament and of the Council (EC) No. 1907/2006 (REACH). The delivered product does not meet the criteria for classification as dangerous according to the Regulation of the European Parliament and of the Council (EC) No. 1272/2008 (CLP) or any other conditions listed in Art. 31 of the Regulation of the European Parliament and of the Council (EC) No. 1907/2006 (REACH), and therefore there is no need to provide the recipient with a safety data sheet.

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