

TECHNICAL DATA SHEET

Contalen 0031

Linear Low Density Polyethylene

Product Description

Contalen 0031 is a linear low density polyethylene, derived from post-consumer stretch waste (100% of stretch waste LLDPE) intended for blown and cast film extrusion and injection molding. The films made of Contalen 0031 are suitable for the film production of above 20 µm, durable and have excellent puncture resistance, high tensile strength, and good weldability.

General

Applications	+ Packaging stretch films + Agricultural films + Transport bags	+ Co-extruded films, bags + Industrial packaging	+ Agri stretch films + Construction films + Waste bags
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Form Pallets

Filtration 100 µm

Revision Date 10.06.2024

Resin Properties

Nominal Value (SI)

Test Method

Density	0,91 g/cm ³ (± 0,02 g/cm ³)	EN 1183-1
Melt Index (190°C/2,16 kg)	2,5 g/10 min (± 0,5 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]	29 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]	580%	EN 12311-2 meth. A
Elongation at maximum tensile force [MD]	600%	EN 12311-2 meth. A
Elongation at Break [MD]	600%	EN 12311-2 meth. A
Elongation at Break [TD]	630%	EN 12311-2 meth. A
Elastic Modulus [E]	124 MPa	EN 12311-2 meth. A
Dart Drop Impact	93,6 g	EN ISO 7765-1
Puncture Force	9,9 N	ASTM D5748-95
Puncture Energy	0,72 J	ASTM D5748-95

Optical Properties

Nominal Value (SI)

Test Method

Gloss (45°)	56	ASTM D2457
Haze	16,2%	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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