

TECHNICAL DATA SHEET

Contalen 0051 ACP

Low Density Polyethylene

Product Description

Contalen 0051 ACP resins are LDPE homopolymers intended for blown and cast film extrusion and injection molding. It has outstanding processing properties. Contalen 0051 ACP is suitable for the film production of above 40 microns which are characterized by very good mechanical properties. Due to the low melt flow index, it is characterized by very high mechanical strength and high puncture resistance. Therefore, it is intended mainly for the production of heat-shrinkable films with very high strength, for which a very high degree of shrinkage is required.

General

Applications	+ Heat-shrinkable films + Agricultural films + Transport bags	+ Co-extruded films, bags + Industrial packaging	+ Heat shrinkable hoods + Construction films + Waste bags
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Forms Pellets

Revision Date 06.08.2021

Resin Properties	Nominal Value (SI)	Test Method
Density	0,92 g/cm ³ (±0,02 g/cm ³)	EN 1183-1
Melt Index (190°C/2,16 kg)	0,3 g/10 min (± 0,2 g/10 min)	EN ISO 1133-1
Bulk density	0,50 kg/ dm ³ (±10%)	Conkret Method
Surface humidity	< 0,1 %	Conkret Method
Film Properties	Nominal Value (SI)	Test Method
Maximum tensile force [MD]	105 N/50 mm	EN 12311-2 met.A
Maximum tensil force [TD]	100 N/50 mm	EN 12311-2 met.A
Elongation at maximum tensile force [MD]	430%	EN 12311-2 met.A
Elongation at maximum tensile force [MD]	520%	EN 12311-2 met.A
Elongation at Break [MD]	460%	EN 12311-2 met.A
Elongation at Break [TD]	540%	EN 12311-2 met.A
Elastic Modulus [E]	240 MPa	EN 12311-2 met.A
Dart Drop Impact	458,6 g	EN ISO 7765-1
Puncture Force	50,4 N	ASTM D5748-95
Puncture Energy	3,41 J	ASTM D5748-95
Optical Properties	Nominal Value (SI)	Test Method
Gloss (45°)	40	ASTM D2457
Haze	36,6%	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 i BUR 1:2,0.

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For additional technical, sales and order assistance got 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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