DECOLINE®DCL-BD

BIODEGRADABLE

polyolefin multi-layer shrink film biaxially oriented with a unique post-industrial recycled polymer & 7 active substances

DEKOFILM POLSKA

Biodegradable DECOLINE®DCL-BD



- full biodegradability in the environment
- 30% PIR post-industrial recyclate
- environmental friendly
- reliable for all machines
- without any setting modifications

Applications: biodegradable heat shrinkable film of versatile use with 30% a unique post-industrial recycled polymer in the processing of selected polymers, environmentally friendly, full biodegradation achieved in contrast to alternative materials. Non-Oxo degradable additive, no toxic microplastics post dagradation. Product shelf life about 15 months. The biodegradation proces begins 15 months after the production date. Biodegradation period in soil in natural conditions: sunlight, moisture, heatoccurring in the natural environment - between 6 to 36 months / breakdown of polimer chains into smaller ones, transforming into environmentally absorbable CO_2, water and biomass (it is the complete assimilation resulting from fragmentation and mineralization into wax material, which are a source of food for microorganisms). Designed for packaging food and industrial products.

Presentation: single wound, centerfolded, perforated / The basis for the DCL-BD biodegradable recipe is 98% DCL-B Basic

Certification : ISO 9001:2015, COBRO food contact approval certificate No 13/19, sqts Switzerland report No. 2017L13268/1, J.S. HAMILTON report No. 243367/19/POZ and report no 663629/23/POZ: „heavy metals and elements determination compliant with (UE)2020/1245 and (UE)2025/40 PPWR: „PFAS and fluorine"

Standards: biodegradability ASTM D4329 / ISO 4892, ASTM D5988-18, D6474-20 / EN 13432:2000, weathering performance & biodegradability test report from IMPACT SOLUTIONS (UK) no IMP4302-LR from 24th November 2020 compliant with PAS 9017/2020

Food contact: the DCL-BD film compliant with (EC) Regulations 1935/2004, 1907/2006 REACH, (EU) 10/2011, (EU) 2020/1245, (EU) 2022/1616 (EU) 2025/40 PPWR and 2025/351 related to plastic materials and articles intended to come in contact with foodstuff FRF≤1

Recycling: 100% recyclable, just like conventional polyolefin films. Shrink film processing: „acquisition of a unique recyclate of selected polymers"

Storage: -5°C / +35°C at 80% RH Guarantee 6 months from the date of sale. Product packaging at room temperature

Disclaimer: *the information contained in this technical product data sheet is indicative. The company reserves the right to change this data for independent reasonsand without notice. Declarations of conformity regarding the use of our products and results of tests carried out in certified European laboratories will be provided at your request*

PROPERTIES	Unit	Test method	TECHNICAL CHARACTERISTICS		
THICKNESS	µ	PN - ISO 4593	**15**	**19**	**25**
DENSITY	g/cm³		**0,92**		
YIELD	m²/Kg	OWN	73	58	44
SHRINKAGE 93°C	%	ASTM D 2732	MD 22 / TD 22	MD 22 / TD 22	MD 22 / TD 22
SHRINKAGE 110°C	%	ASTM D 2732	MD 44 / TD 55	MD 43 / TD 52	MD 42 / TD 49
WELDING TIME 200°C	s		0,3	0,4	0,6
COEFFICIENT OF FRICTION	-	ISO 8295:2005	0,16 (+/- 0,07)		
BREAKING STRENGTH	N/mm²	ASTM D 882	MD 30 / TD 30	MD 32 / TD 32	MD 35 / TD 35
TENSILE STRENGTH	N/mm²	ASTM D 882	MD 100 / TD 100	MD 100 / TD 100	MD 100 / TD 100
ELONGATION AT BREAK	%	ASTM D 882	MD 65 / TD 70	MD 70 / TD 70	MD 72 / TD 72
ROLL LENGTH SINGLE WOUND	m		**2500**	**2000**	**1500**
ROLL LENGTH CENTERFOLDED	m		**1250**	**1000**	**750**
ROLL WIDTH	mm		SINGLE WOUND **200 - 1600**		
			CENTERFOLDED **200 - 850**		
CORE DIAMETER / ROLL DIAMETER	mm		(internal) 76 / (external) 245		

PACKAGING FILM

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Initial capital 337 400.00 PLN, District Court for the capital city of Warsaw XX Commercial Division KRS 0000116639

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CERT Polska Akademia Jakości PN-EN ISO 9001:2015 Certyfikat nr: 227/09/2024/I/R

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