

DECOLINE® DCL-BD

BIODEGRADABLE

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



Biodegradable
DECOLINE® DCL-BD



- full biodegradability
- with 30% post-industrial recycled polymer
- 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 degradation. 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 CO₂, 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

Certification : ISO 9001:2015, Packaging Research Institute sqts Switzerland Report no 2017L13268/1, JS HAMILTON Report no 243367/19/POZ, Mennica Metale Sp. z o.o. Report no 12/2019 (for DCL-BD biodegradable the base is DECOLINE DCL-B)

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 above-mentioned film is in compliance with (EC) regulations 1935/2004, 10/2011 (EU) 2016/1416, (EC)1907/2006 REACH (EU) 2018/675 and 94/62/WE (EU) 2018/952 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 recycleate of selected polymers

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

Disclaimer : the above-mentioned values are to be considered as guideline, not as products specifications. Any informations or suggestions made in connection with product, sold represent the best information available to us and we believe to be reliable. They should not, however be construed as controlling and are presented without any guarantee either express or implied

PROPERTIES	Unit	Test method	TECHNICAL CHARACTERISTICS		
THICKNESS	μ	PN - ISO 4593	15	19	25
DENSITY	g/cm ³		0,92		
YIELD	m ² /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	ASTM D 882	MD 30 / TD 30	MD 32 / TD 32	MD 35 / TD 35
TENSILE STRENGTH	MPa	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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