

PRODUCT SPECIFICATION ECOLAN® POND LINER

ECOLAN®

CARLISLE® Construction Materials has been responsible for the worldwide production of ECOLAN® sheetings and other synthetic rubber products since 1965. CARLISLE® Construction Materials Ltd is responsible for sales, marketing and technical advice in the UK.

ECOLAN® pond liner (EN 13361)

ECOLAN® pond liner is applied for the construction of decorative ponds. The most recent application guidelines can be found on www.ecolan.nl.

ECOLAN® prefabricated pond liners (EN 13361)

Through the hot-bonding technique of ECOLAN®, prefabricated pond liners can be made on customer request. By this, making seams at the job site is limited. ECOLAN® pond liners are installed easy and without open flames and have a life span of over 30 years.

ECOLAN® pond liner			
Length	o.r.	Polymer	EPDM
Width	o.r.	Color	Black
Thickness	0,75 / 1,0 / 1,2 / 1,5 / 2,0 mm	Weigth	1,20 kg/m ² per mm
Standard sizes and prefab liners on request			

Characteristic and test method		Specifications	Value or statement
Tensile strength (l/t) (EN 12311-2B)	N/mm ²	≥ 8,0	8,7 / 8,6
Elongation (l/t) (EN 12311-2B)	%	≥ 400	530 / 480
Tear resistance (l/t) (ISO 34-A)	N	≥ 10	13,5
Hardness (ISO 7619)	°Shore A	60 ±5	63
Hardness after ageing (ISO 188 / ISO 7619)	°Shore A	Δ ≤ 5	+ 3
Resistance to static loading (EN 12236)	kN	≥0,3	0,39
Water permeability (EN 14150)	m ³ /m ² .d	< 1.10 ⁻⁶	< 1.10 ⁻⁶
Low temperature flexibility (EN 495-5)	°C	≤ -45	-45
Resistance to oxidation (EN14575)		Pass	Pass
Resistance to ozon (EN 1844)		No cracks	Pass
Dimensional stability 24 h / 100 °C (DIN 7864)	%	≤ 0,5	0,1
Root resistance (EN 13948)	-	Pass	Pass*

*Only applicable for vulcanised seams



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