

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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