

FlexiLiner

Low Density Polyethylene Liner

ORNAMENTAL PONDS DAMS CHANNEL LINERS SHEETING COVERS DAMP PROOFING



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Specification

FLEXILINER PE 400

APPLICATION

ORNAMENTAL PONDS DAMS CHANNEL LINERS SHEETING COVERS DAMP PROOFING

SHEET DIMENSION: 8m & 12m(w) x 140m(L)
ROLL DIMENSION: 350mm diam. by 2m or 4m long

DESCRIPTION Low density polyethylene (LDPE) geomembrane
NOMINAL THICKNESS (MIC) 400
INDIVIDUAL POINTS THICKNESS $\pm 10\%$ ON NOMINAL THICKNESS
TOLERANCE $\pm 12\%$
CARBON BLACK CONTENT 2 - 3%

MECHANICAL PROPERTIES TEST METHOD TYPICAL VALUES

TENSILE STRENGTH @ YIELD (MPA) ASTM D638IV -
MACHINE DIRECTION - Min 8.0
TRANSVERSAL DIRECTION - Min 8.0

ELONGATION @ YIELD (%) ASTM D638IV
MACHINE DIRECTION at 33mm Min 15.0
TRANSVERSAL DIRECTION Min 15.0

TENSILE STRENGTH @ BREAK (MPA) ASTM D638IV
MACHINE DIRECTION Min 19
TRANSVERSAL DIRECTION Min 19

ELONGATION @ BREAK (%) ASTM D638IV
MACHINE DIRECTION at 50mm Min 600
TRANSVERSAL DIRECTION Min 600

TEAR RESISTANCE (NT/MM) ASTM D1004
MACHINE DIRECTION Min 35.0
TRANSVERSAL DIRECTION Min 35.0

PUNCTURE RESISTANCE (NT) ASTM D4833 Min 125

STRESS CRACK RESISTANCE (HRS) ASTM D1693 NA

OXIDATIVE INDUCTION TIME (MIN) ASTM D3895 NA

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