

## MATERIAL SPECIFICATION

### FLEXI PE 400 LINER

General purpose liner suitable for:

**UNDERGROUND TANKS, DAMS, CHANNEL LINERS, SHEETING COVERS**

FACTORY FABRICATE	up to 3000 m <sup>2</sup>
SHEET DIMENSION	12m (w) x 140m (l)
ROLL DIMENSION	3.1 and 4m long
DESCRIPTION	Low density polyethylene (LDPE) geomembrane
NOMINAL THICKNESS (MIC)	400
INDIVIDUAL POINT THICKNESS	+/- 10% on nominal thickness
TOLERANCE	+/- 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