Culvert Flume
GEOMEMBRANE

SPECIFICATION SHEET

The Culvert Flume is a heavy-duty polyethylene chute, manufactured from flexible HydraFlex polyethylene fabric. Designed to safely direct water from culvert outlets, it is ideal for road, farm, and infrastructure drainage systems.

HydraFlex is a heavyweight fabric incorporating a special weave pattern to enhance puncture, flatness, and tear properties. The coating formula is designed to improve toughness and abrasion resistance. This product is intended for exposed applications up to 10 years.

Typical Applications

- Primarily used to transmit water from the discharge end of a culvert preventing soil erosion and roadside embankments.

Specifications

- **Diameter range:** 250 mm – 900 mm
- **Standard legnth:** Made to order
- **Material Thickness:** 0.6mm
- **Weight:** 309gsm
- **UV Stability:** 10-year pro-rata warranty

SPECIFICATIONS

PUBLICATION DETAILS	
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TECHNICAL SPECIFICATIONS	
Weight	309 g/m2, ± 5%
Thickness (ASTM D1777)	Nominal 0.75 mm ± 10%
Grab Tensile Strength (ASTM D7004)	MD: 1252 N, TD: 1421 N
Strip Tensile Strength (ASTM D7003)	MD: 22.6 kN/5 cm TD: 16.8 kN/5 cm
Tongue Tear-large scale (ASTM D5884)	MD: 311 N, TD: 377 N
Mullen Burst (ASTM D751)	4031 kPa
Hydrostatic Resistance (ASTM D751)	2914 kPa
Puncture Resistance (ASTM D4833)	733 N
CBR Static Puncture (ASTM D6241)	4551 N

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