

## Datasheet

Material Specification

### FlexiRoot (0.6mm RPE)

Physical form:	Woven HDPE coated on both sides with LDPE film
Roll / Panel detail:	366cm wide rolls or panels up to 32m wide x 300m long
Weight (ASTM D5261):	309gms/m <sup>2</sup>
Strip Tensile Strength (ASTM D7003):	MD 2131 TD 2398 N/5cm
Grab Tensile (ASTM D7004):	MD 1305 TD 1074 N
Tongue Tear-large scale (ASTM D5884):	MD 400 TD 408 N
Mullen Burst (ASTM D751):	3652 kPa
CBR Puncture (ASTM D6241):	4409 N
Puncture-Resistance (ASTM D4833):	666 N
Hydrostatic Resistance (ASTM D751):	1805 kPa
Permeability / Hydraulic Conductivity – (Calculated from MVTR):	9.79 x 10 <sup>-14</sup> cm/s
Dimensional Stability:	MD 2.9% TD 1.8%
MVTR: (ASTM E96 Proc. BW):	0.23 G/M <sup>2</sup> – 24hr (0.03 perms)
Resistance to Roots (EN 14416):	Pass
Resistance to Light Penetration (ASTM D2136):	0% Penetration - Pass
Low Temperature Flex:	MD & TD: Pass @ -65oC (-85oF)
a) HP - OIT: (ASTM D5885) - Measured on coating formulation:	1071 minutes
Accelerated UV Weathering * (ASTM D7238):	>90% tensile strength retention after 10 000 light hours

MD = Machine Direction. TD = Transverse Direction.

\*Q.U.V (A-340 Lamps): 20 hours UV @ 75oC: 4 hrs condensation @ 60oC

All values are 10% +-

The test data is based on an average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specifications.

For further assistance call our team on **020 3597 0843**