

MARKET SEGMENT: AGRICULTURE
PRODUCT GROUP: NICOLON® C119 MEMBRANES

CONSTRUCTION	800	1000
Raw material scrim	PET	PET
Raw material coating	HSPO	HSPO
Yarn type scrim	Multifil	Multifil
Colour	Black	Black

MECHANICAL PROPERTIES

WARP:

Nominal tensile strength	kN/m	24	24	prEN 13859-1/2
Elongation at break	%	12,5	12,5	prEN 13859-1/2
Tear resistance	N	400	400	DIN 53363

Weft::

Nominal tensile strength	kN/m	24	24	prEN 13859-1/2
Elongation at break	%	17	17	prEN 13859-1/2
Tear resistance	N	400	400	DIN 53363
Joint strength	%	> 50	> 50	prEN 13859-1/2

Perforation resistance:

Resistance	mm	300	350	DIN 16726
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PROPERTIES

Water permeability	m ³ /m ² /day	1,00E-0,6	1,00E-0,6	EN14150
Gas permeability	m ³ /m ² /day	3,00E-0,3	1,00E-03	ASTM D1434
Water tightness	mPA/72hours	0,6	0,6	DIN 16726

PHYSICAL PROPERTIES

Weight	g/m ²	970	1130	EN 965
Calculated thickness	micron	950	1150	DIN 53353
Film thickness	micron	800	1000	DIN 53353
Thickness overall	micron	1200	1350	DIN 53353
Roll width	cm	305	305	

DURABILITY

UV resistance, Chemical resistance, Crack pressure test, Environmental stress cracking Resistance and Perforation are all conform BRL 546/05

- 10 years warranty on outdoor exposure Western –Europe, with a life expectancy of 20 years
- Manure resistant(MB), Acid resistant(ZB), Mineral oil resistant(OB), Percolation water resistant(PB) following BRL 546/05

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