

MESH PACK GmbH

Round bale wrapper net

Network Premium

DLG Test Report 5179



Short description

Round bale wrapper net out of high-density polyethylene (PE-HD), white with a green thread, uv-stabilized

(Technical data see page2.)

Manufacturer and registering company

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Evaluation – short version

Tested feature	Test result	DLG requirements
Suitability		
Machine-wrapping of bales produced by round balers		
Specific weight		
Metre weight 13.7 g/m		
Firmness		
in new condition	Maximum longitudinal tensile force 3061 N*)	> 2500 N
	Elongation at maximum tensile force 24.3%	> 20 %
After ageing		
Weathering resistance	Maximum longitudinal tensile force 2510 N*)	> 2000 N
	Reduction of elongation 24.7% at maximum tensile force	< 30 %

*) from 7 measured threads extrapolated to the entire width (50 threads)

Test results

Suitability

The round bale wrapper network premium is suitable for the machine-wrapping of bales for silage preparation as well as hay- and straw bales which have been produced by round balers.

(permissible minimum value 2500 N for 53 threads), minimum value 3061 N for 50 threads and 3072 for 53 threads (permissible minimum value 2400 N for 53 threads). At 24.3%, elongation at maximum tensile force exceeded the required minimum value of 20%. Thus, the net fulfilled the requirements.

2510 N, and elongation at maximum longitudinal tensile force amounted to 18.3%. This resulted in a 24.7% reduction of longitudinal elongation at tear (maximum value 30%). Hence, the net was weather-resistant.

Firmness^{*)}

In new condition

The maximum longitudinal tensile force was: mean value 3061 N for 50 threads and 3245 for 53 threads

After ageing

After the simulation of a natural one-year weathering period outdoors, maximum tensile force was

^{*)} Tension tests; tension clamp; shafts/elastomes
Test speed V = 100 mm-1,
7 warp threads tensioned to ca. 20 mm

Technical data (provided by the manufacturer)

Main measurements and weights

Reel length	2000 m	3000 m
Reel width (+/- 10 mm)	1,23 m	1,23 m
Reel diameter (+/- 10 mm)	240 mm	280 mm
Weight per metre (+/- 5%)	13 g	13 g
Number of warp threads	50	50
Sleeve length (+/- 5 mm)	1250 mm	1250 mm
Interior sleeve diameter	760 mm	760 mm
Packing	Film hose	Film hose
Antistatic additive	yes	yes
UV stabilizer	yes	yes
Red warning strip last 50 m	yes	yes

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The round bale wrapper Network Premium was tested in the laboratory according to the DLG test program for wrapper nets out of high-density polyethylene (PE-HD).

After the initial test, intermediate tests were carried out in the following year and after another two years.

Realization of the test

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