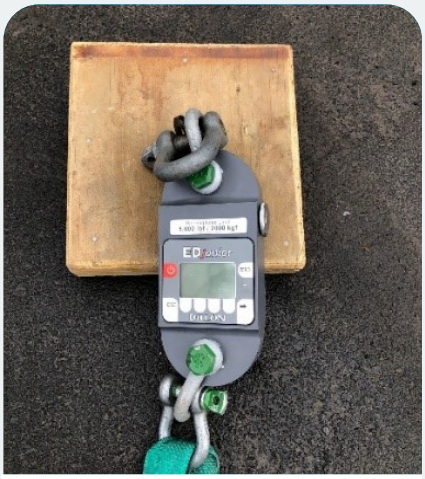
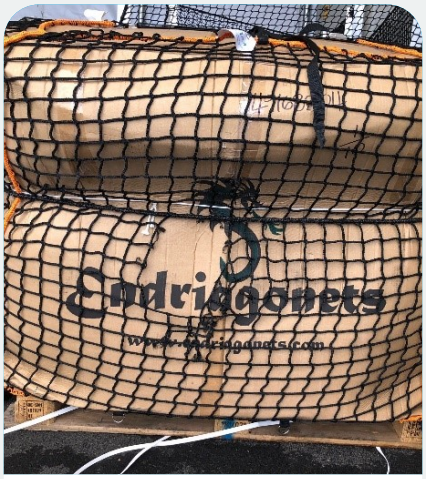
Pallet Containment Nets

Product Data Sheet

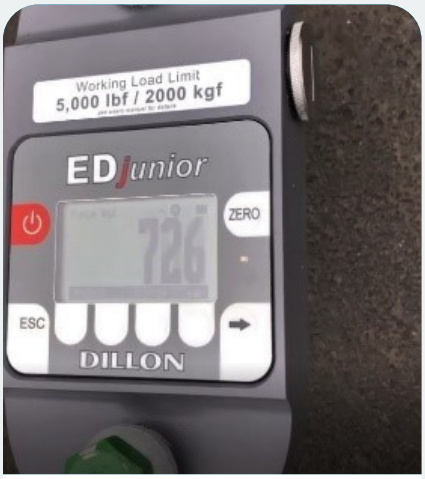
Point Load Test



Test block with load cell



P.C. Net™ following point test to destruction



Load Cell reading at Destruction (726kgs)

Process

The P.C. Net™ was set up correctly on a pallet load that was fixed to ensure there was no sideways movement.

The test block was inserted within the P.C. Net™ on one side and pulling pressure was exerted on the test strap with the load cell attached to the test block.

The load was progressively increased to destruction at 726kg.

Results

Mathematical calculations on force vertical and horizontal at a 30 degree angle, the test allows a sideways force at a 30 degree angle, verses the downward force (100% force).

Doing the above equation on forces, the net being forced sideways only has to calculate to 23% of the full force.

This result proves that the P.C. Net™ has a safe maximum point load of 600kgs, which equates to a maximum safe pallet loading of 2400kg.

Knotless Polypropylene Net Specifications

Specification

Definition: M2 Knotless Netting PPM 4mm M50 x 50mm

Uses: Protection net for sports and industrial use

System: Knotless nets Polypropylene Multifilament

Mesh Configuration: Square Q

Breaking Strength: 1100 N

Weight: M^2 203 gr

Thickness: 4mm

Mesh Size: 50mm

Material: Polypropylene Multifilament high tenacity (PPM). 300 Kilolanglys.

Net Knotless PPM
4mm mesh 50

High tenacity Polypropylene
A material with high benefits

- Ecological product
- 100% recyclable
- Good thermic insulate
- Specific weight 0,91 - Less than water
- Anti-allergic
- Does not retain static electricity
- Not digestible by insects
- Fiber not absorbent
- Resistant to dirt
- Protected against the action of U.V rays
- Resistant to abrasion
- Resistant to acids (except boiling xilene)
- Maintains tenacity in humid and alkaline environments

Mesh tested on certified tensile testing machine

Results

Calculation	Sample 1	Minimum	Maximum	Mean
Peak Load	1393.4	1393.4	1393.4	1393.4
Overall Result	PASS			
Calculation	SD			
Peak Load	N/A			

Tensile strength per mesh square – 4mm twine breaking strain