



Date of test 24.9.2019
Date of expiry 24.9.2022
Number of pages 2 C / Z

Test Certificate No. 11531.1/19-9

This Certificate is only valid when printed in colour and complete with both pages.

Applicant BulkPack Exports Ltd.
"507", "B" Block, 5th Floor, Corporate House, RNT Marg, Indore – 452 001 (M.P.), India

Manufacturer Pithampur Poly Products Limited
2 A.B. Road, Geeta Bhawan Square, Indore - 452 001 (M.P.), India

Test pieces *Flexible asbestos sheets containers - SWL = 1750 kg, SF = 5:1*

Design

Manufacturer's reference N/A

Dimensions Sample a: (125 cm x 260 cm) x 30 cm (shortest size) **Tare** 1620 g
Sample b: (125 cm x 320 cm) x 30 cm (longest size) **Tare** 1780 g

Body fabric Polypropylene 65 g/m² + 20 g/m² coating, white flat woven fabric layers, each with one red and one blue coloured tape¹⁾

Suspension 4-point-suspension formed by two black PP-webbings (60 mm wide, 55 g/m). The webbings are running around the body in a distance of 75 cm (lowest size) resp. 100 cm (highest size), length of the short legs 50 cm, sewn flat onto the wall fabric in a length of 30 cm and onto the base fabric in a length of 20 cm

Details Four vertical seams, two horizontal seams at the bottom (U-panel design) / overlock stitching / fabric folded in all the seams / top with skirt and flap / no inliner²⁾

Kind of tests *Cyclic top lift test plus final load to failure following ISO 21898*

Test conditions In place of asbestos sheets a steel frame has been installed at the bottom of the bags. Load application by dragging the test pieces against the steel frame, rate of load application 70 kN/min.

Cyclic load and load to failure

Test a After 30 cycles of load application to $P_c = 30 \text{ kN}$ (3060 kg) no visible damages occurred in the test piece. The load has then been increased until failure. When reaching a load of $P_b = 96,1 \text{ kN}$ (9790 kg) a webbing tore below the double laying area.

Test b After 30 cycles of load application to $P_c = 35 \text{ kN}$ (3570 kg) no visible damages occurred in the test piece. The load has then been increased until failure. When reaching a load of $P_b = 86,9 \text{ kN}$ (8850 kg) a webbing tore below the double laying area.

Test result *A safe working load SWL = 1750 kg / SF = 5:1 is allowable.*

Notes

This certificate is restricted to FIBCs produced by Pithampur Poly Products Limited.
This certificate covers all asbestos sheet containers with dimensions within the following ranges:
Width: 125 cm, Length: between 260 cm and 320 cm, Height: 30 cm.
All material weights are minimum weights and may not be lower than the values shown.
Test diagrams see page 2.
¹⁾ Raw material: Pure virgin polypropylene (statement of the manufacturer).
²⁾ These containers should be fitted with inliners in order to safeguard dustproofness.
Two test pieces are kept in our store for three years.
This certificate expires on 24.9.2022.

Competent Engineer

Ronald Clews

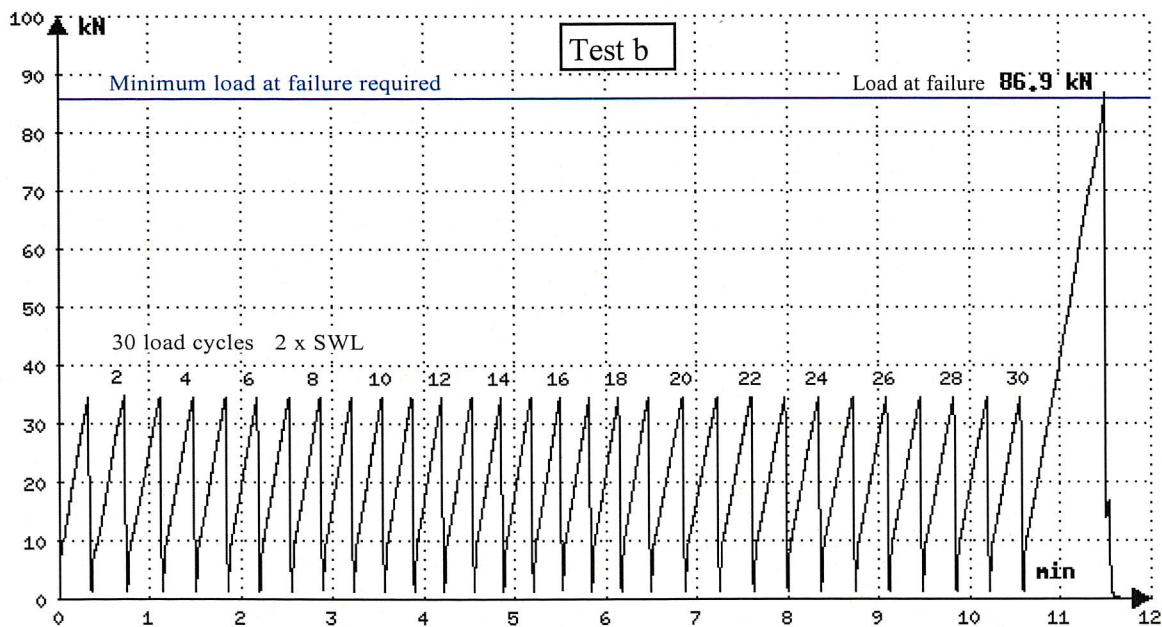
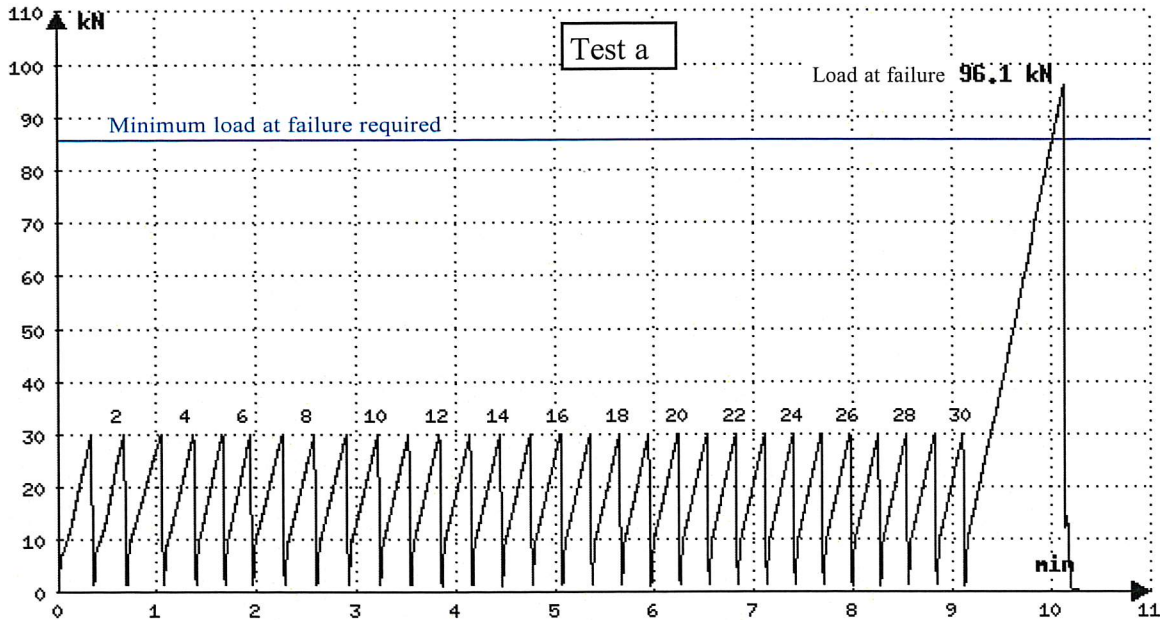


Head of Institute

Dr. Herbert. Kielbassa



Flexible asbestos sheet container - Cyclic top lift tests
Test diagrams 11531.1 a + b / 19 - 9



Project data

Applicant : Bulkpack Exports Limited
Test pieces : 125 cm x 260 cm x 30 cm
125 cm x 320 cm x 30 cm
Safe working load : SWL = 1750 kg
Safety factor : SF = 5 : 1

Test data

Test date : 24.9.2019
Test Standard : Following ISO 21898
Load at failure, test a : Pb = 96,1 kN = 9790 kg
Load at failure, test b : Pb = 86,9 kN = 8850 kg