



Date of test 26.9.2019  
Date of expiry 26.9.2022  
Number of pages 2 C / Z

## Test Certificate No. 11531.2/19-9

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

**Applicant** BulkPack Exports Ltd.  
"507", "B" Block, 5<sup>th</sup> 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** 1880 g  
Sample b: (125 cm x 320 cm) x 30 cm (longest size) **Tare** 2160 g

**Body fabric** Polypropylene 110 g/m<sup>2</sup> + 20 g/m<sup>2</sup> coating, white flat woven fabric layers (three U-panels and two side panels), each with one red and one blue coloured tape<sup>1)</sup>

**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 80 cm (lowest size) resp. 100 cm (highest size), length of the short legs 50 cm (sewn 30 cm onto the wall fabric and 20 cm onto the bottom fabric)

**Details** Eight vertical seams, four horizontal seams at the bottom / edges double chain stitching, webbing attachments: overlock + chain stitching, fabric folded in all the seams / top with skirt and flap / no inliner<sup>2)</sup>

**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  $P_c = 30$  kN (3060 kg) no visible damages occurred in the test piece. The load has then been increased until failure. When reaching a load of  $P_b = 90,5$  kN (9220 kg) two webbings tore below the double laying area.

**Test b** After 30 cycles of load application to  $P_c = 35$  kN (3570 kg) no visible damages occurred in the test piece. The load has then been increased until failure. When reaching a load of  $P_b = 86,1$  kN (8770 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.

<sup>1)</sup> Raw material: Pure virgin polypropylene (statement of the manufacturer).

<sup>2)</sup> 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 26.9.2022.

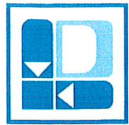
**Competent Engineer**

Ronald Clews

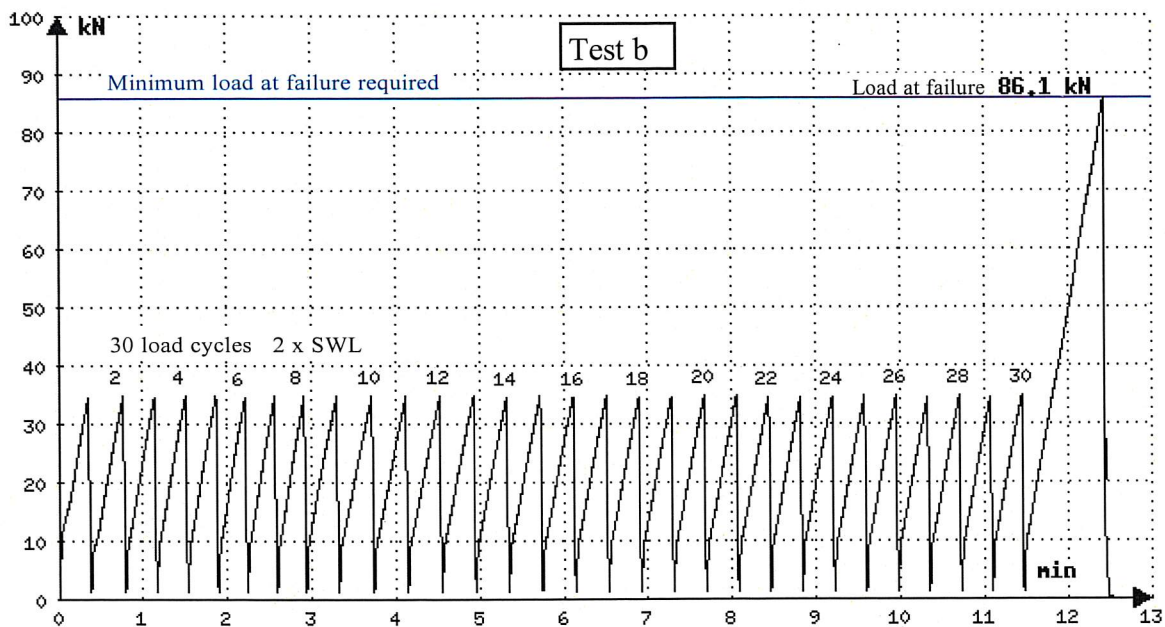
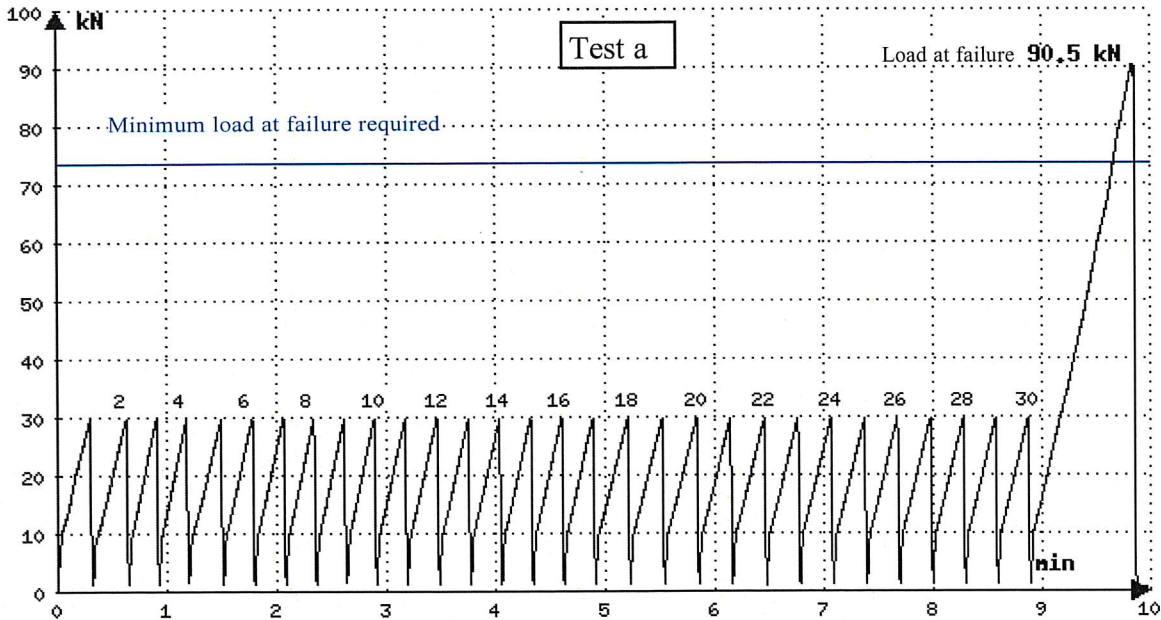


**Head of Institute**

Dr. Herbert. Kielbassa



**Flexible asbestos sheet container - Cyclic top lift tests**  
**Test diagrams 11531.2 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 : 26.9.2019  
 Test Standard : Following ISO 21898  
 Load at failure, test a : Pb = 90,5 kN = 9220 kg  
 Load at failure, test b : Pb = 86,1 kN = 8770 kg