

SZÉCHENYI ISTVÁN UNIVERSITY
DEPARTMENT OF TRANSPORT

TESTING LABORATORY FOR TRANSPORT PACKAGING



Authorized Laboratory for Packing and IBC of Dangerous Goods, acc.nr. 501/0011

Test Certificate: No. VEER PLASTICS 01 / 07

Date of test: 23. 01. 07.

Applicant: Veer Plastics Pvt Ltd
104 Sardar Patel Colony, Stadium Road
Ahmedabad, Gujarat India - 3800054

Test piece: *Flexible intermediate bulk container - SWL = 1000 kg, SF = 5:1*
Standard duty single trip FIBC
Type T OCB
Dimensions (900 mm x 900 mm) x 900 mm
Fabric - body: polypropylen woven 120 g/m²,
- bottom: polypropylen woven 120 g/m²
Suspension - Four lifting belt from FB 50, 400 mm free length ,
600/300 saved length, overlock + chain
Details -Four horizontal seams at the bottom / overlock +
chain /

Kind of test: Cyclic top lift plus final load to failure, acc. BS EN 1898-2001 App.C
Test conditions: Charging with the mixture of classified gravel and plastic granulate (filling height approx. 800 mm), load application with piston and pressure plate (d=50cm) 30 cycles of load application to 21 kN and subsequent unloading, then final test cycle to failure, rate of load application 70 kN/min

Cyclic load: After 30 cycles of load application to $P_e = 19,97$ kN no visible damages occurred in the test piece.

Load to failure: When applying a load of $P_b = 49,28$ kN the loop tore out of its attachment.

Test result: **A safe working load SWL = 1000 kg is allowable.**
The safety factors required SF = 2:1 (cyclic load) and SF = 5:1 (load at failure) are realized.

Notes: The test piece is kept in our store for two years.
This certificate expires on 23. 01. 2009.

Ing. Zoltán Szabó

Ing. Dr. Zoltán Pánczél