STORK
Materials Technology

Stork Southwestern Laboratories

222 Cavalcade Street, 77009-3213
P.O. Box 8768, Houston, Texas 77249-8768
Tel: (713) 692-9151 Fax: (713) 696-6205

Attention: *Chuck Hickey*
Rumber Materials, Inc.
621 West Division Street
Muenster, TX 76252
P: 940-759-4181 / F: 812/375-1972

W/O. No.: RUM004-04-05-55636-1
P.O. No.:
Report Date: 4/6/2004

Project: Load and Deflection

Material: Simulated Steel Truck Floor Frame System with Rubber Composite Flooring
Component: Three 12" wide x 2 1/2" thick rubber composite flooring material
Cross-member construction consists of two 24" center to center I-beams.
Load Condition: 4" wide beam across span of flooring; i.e., perpendicular to length of flooring.

Load (lbs)	Deflection (in.)
1,000	0.116
2,000	0.214
3,000	0.280
4,000	0.354
5,000	0.450
6,000	0.541
7,000	0.590
8,000	0.679
9,000	0.760
10,000	0.808
11,000	0.905
12,000	1.022

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Respectfully Submitted

Terry Wilt
Manager, Product Evaluation

Stork SWL, is an operating unit of Stork Materials Technology B.V., Amsterdam, The Netherlands, which is a member of the Stork group

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W/O. No.: RUM004-04-05-55636-1
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Pre-Load Condition

12,000 lb. load
1.022" deflection

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Project: Load and Deflection

Material: Simulated Steel Truck Floor Frame System with Rubber Composite Flooring
Component: One 12" wide x 1 3/4" thick rubber composite flooring material
Cross-member construction consists of two 16" center to center I-beams.
Load Condition: 2" wide plate across 12" span of flooring; i.e., perpendicular to length of flooring.

Load (lbs)	Deflection (in.)
1,000	0.340
2,000	0.780
2,750	1.000
3,500	1.510

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Pre-load Condition

3,500 lb. load
1.510" deflection

Project: Load and Deflection

Material: Simulated Steel Truck Floor Frame System with Rubber Composite Flooring

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Component: One 12" wide x 2 1/2" thick rubber composite flooring material
Cross-member construction consists of two 16" center to center I-beams.
Load Condition: 2" wide plate across 12" span of flooring; i.e., perpendicular to length of flooring.

Load (lbs)	Deflection (in.)
1,000	0.142
2,000	0.343
3,000	0.482
4,000	0.655
5,000	0.918
6,000	1.225
7,000	1.502

Pre-load Condition

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7,000 lb. load
1.502" deflection

Project: Load and Deflection

Material: Simulated Steel Truck Floor Frame System with Rubber Composite Flooring
Component: One 12" wide x 2" wood flooring material
Cross-member construction consists of two 16" center to center I-beams.
Load Condition: 2" wide plate across 12" span of flooring; i.e., perpendicular to length of flooring.

Load (lbs)	Deflection (in.)
1,000	0.058
2,000	0.078
3,000	0.084
4,000	0.091
5,000	0.108
6,000	0.122
7,000	0.129

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8,000	0.142
9,000	0.156
10,000	0.162
11,000	0.175
11,500	0.185

Pre-load Condition

No photo taken after load application; deflection of 0.185”at break was not detectable by photograph

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