

# Ghesquiere Plastic Testing, Inc.

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20450 HARPER AVENUE  
HARPER WOODS, MI 48225  
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Report Date: February 3, 2012  
Test Date: December 19, 2011-February 3, 2012

Report #1112-75197  
Performed for:  
BioPlastics Company  
34655 Mills Road  
North Ridgeville, OH 44039

Attention: Mr. Robert J. Opalko

## WORK REQUESTED:

Perform Fungus Resistance test on samples submitted.

## DESCRIPTION OF SAMPLES:

Samples submitted were identified as follows:

- Leather
- Polypropylene Webbing
- Nylon Webbing
- XT-11-318 Reinforced Vinyl Strap
- XT-11-319 Reinforced Vinyl Strap
- BR523 E-327752 Reinforced Vinyl Strap
- BL520 Reinforced Vinyl Strap

(P. O. #PO110536).

## WORK PERFORMED:

Test specimens were prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Fungus Resistance was performed for 28 days at 28°C to 30°C in accordance with the procedures of ASTM G21-09. Three specimens of each material were tested.

## RESULTS:

The following determinations were made based upon the above tests:

RESULTS: (cont.)

FUNGUS RESISTANCE

Leather

Specimen 1	Rating 4.	Heavy growth (60% to complete coverage).
Specimen 2	Rating 4.	Heavy growth (60% to complete coverage).
Specimen 3	Rating 4.	Heavy growth (60% to complete coverage).

Polypropylene Webbing

Specimen 1	Rating 3.	Medium growth (30-60% coverage).
Specimen 2	Rating 3.	Medium growth (30-60% coverage).
Specimen 3	Rating 3.	Medium growth (30-60% coverage).

Nylon Webbing

Specimen 1	Rating 3.	Medium growth (30-60% coverage).
Specimen 2	Rating 3.	Medium growth (30-60% coverage).
Specimen 3	Rating 3.	Medium growth (30-60% coverage).

XT-11-318 Reinforced Vinyl Strap

Specimen 1	Rating 0.	No fungal growth.
Specimen 2	Rating 0.	No fungal growth.
Specimen 3	Rating 0.	No fungal growth.

XT-11-319 Reinforced Vinyl Strap

Specimen 1	Rating 1.	Traces of growth (less than 10% coverage).
Specimen 2	Rating 1.	Traces of growth (less than 10% coverage).
Specimen 3	Rating 1.	Traces of growth (less than 10% coverage).

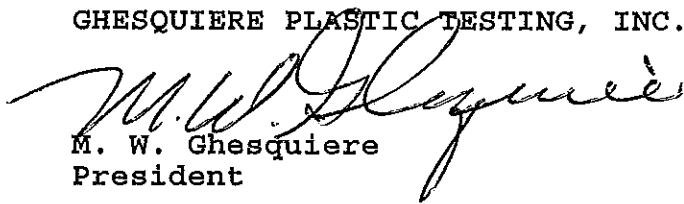
BR523 E-327752 Reinforced Vinyl Strap

Specimen 1	Rating 0.	No fungal growth.
Specimen 2	Rating 0.	No fungal growth.
Specimen 3	Rating 0.	No fungal growth.

BL520 Reinforced Vinyl Strap

Specimen 1	Rating 0.	No fungal growth.
Specimen 2	Rating 0.	No fungal growth.
Specimen 3	Rating 0.	No fungal growth.

Ghesquiere Plastic Testing, Inc.

A handwritten signature in cursive script, appearing to read "M. W. Ghesquiere", is written over the typed name and title.

M. W. Ghesquiere  
President

MWG/kni