

SOFT-SHIELD[®] 3500

Toluene Test Report

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Chomerics Approved Signatory:

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1.0 Introduction

1.1 Purpose

The purpose of this document is to explain the toluene concentration level testing performed on samples of Chomerics SOFT-SHIELD® 3500.

1.2 Sample Summary

The samples were tested separately by component. The product was broken down into individual components consisting of foam, fabric, and pressure-sensitive adhesive.

2.0 Test Procedure

2.1 Sample Preparation

Each of the SOFT-SHIELD 3500 components were cut into small pieces with a total weight of approximately 0.25 grams.

2.2 Test Measurement

The test sample was placed in a 20 ml vial with 5 ml of water. It was held for one hour at 70°C. The gas generated within the vial was captured and analyzed for toluene content. This was measured using a GC-MS (gas chromatograph mass spectrometer) with a detection limit of 5 mg/liter.

3.0 Results

No toluene was detected in any of the SOFT-SHIELD 3500 components.

Appendix A: Typical Properties

Typical Properties	SOFT-SHIELD 3500	Test Method
Shielding Effectiveness, 50 MHz to 10 GHz	> 90(dB)	CHO-TM-TP08
35% Compression Deflection, lb/in (N/mm), [0.125 x 0.375 in. gasket]	< 1 (<0.175)	ASTM C165
Compression Set <ul style="list-style-type: none"> • Foam • Gasket assembly 	<10% <25%	ASTM D3574
Operating Temperature Range	-40° to 70° C	-
Adhesive Peel Strength, 90°b/inch (N/mm) [Min. value]	4 (0.7)	ASTM D1000

