

From: Bob Marsh
To: [Lee Lawler](#)
Subject: RE: ester foam degradation revisit
Date: Friday, August 5, 2016 1:18:35 PM

Thanks. I'll let them know they'd be better off with the ether.

I appreciate the quick reply. Have a great weekend!

BobM

From: Lee Lawler [mailto:leel@wtbfoam.com]
Sent: Friday, August 05, 2016 12:42 PM
To: Bob Marsh
Subject: RE: ester foam degradation revisit

Hi Bob,

I would not be surprised if ester foam, continuously exposed to 40°C (104°F) at high humidity, would exhibit signs of hydrolysis in as short a time as a year. Intermittent exposure would extend the lifetime, but that is not a good environment for polyester foam. Polyether foam could last years in that environment.

Lee

Lee F. Lawler | Technical Director | Wm. T. Burnett & Co., Foam Division | **o:** 410.904.8828 | **c:** 443.416.8354 | **f:** 410.799.2620 | **e:** leel@wtbfoam.com | **i:** wmtburnett.com

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From: Bob Marsh [mailto:bobm@polytechinc.com]
Sent: Friday, August 05, 2016 9:57 AM
To: Lee Lawler
Subject: ester foam degradation revisit

Lee,

Last fall we tried to address a concern from one of our customers that observed foam degradation in one of their medical devices after five years use. They are asking again, and wondered if we could give them any estimate on lifespan of the foam when exposed to 40 C and high humidity.

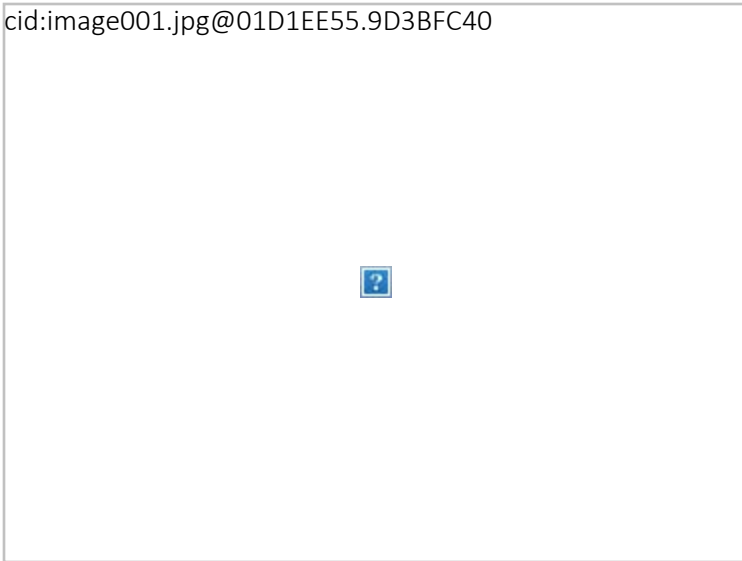
Do you have any data or experience that would point to what kind of lifetime an ester could provide with some elevated temperature and some elevated humidity?

Thanks,
BobM

EXHIBIT
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