

IUVA Task Force on Material Degradation Meeting Minutes

Date: November 28th 2023

Created by: Jennifer Pagan

1. Summary

Meeting title	IUVA Task Force on Material Degradation November Meeting	
Attended participants		13
Start time	11/28/23, 9:57:26 AM	
End time	11/28/23, 12:57:22 PM	
Meeting duration	2h 59m 56s	
Average attendance time	1h 6m 26s	

2. Participants

Name	First Join	Last Leave
Jennifer Pagan	11/28/23, 9:57:45 AM	11/28/23, 11:03:28 AM
Paul Uglum	11/28/23, 9:58:41 AM	11/28/23, 11:03:33 AM
Scott Douglas	11/28/23, 9:58:41 AM	11/28/23, 11:03:33 AM
Jean-Claude Bouvier	11/28/23, 9:58:42 AM	11/28/23, 11:03:32 AM
Kristen Chang	11/28/23, 9:59:17 AM	11/28/23, 11:03:30 AM
Sophie	11/28/23, 9:59:25 AM	11/28/23, 11:03:28 AM
Bryan J. Gathman	11/28/23, 10:00:25 AM	11/28/23, 11:00:48 AM
Chelsea Todd	11/28/23, 10:00:50 AM	11/28/23, 11:03:30 AM
Norman Horn	11/28/23, 10:01:12 AM	11/28/23, 11:03:33 AM
Setayesh, Sepas	11/28/23, 10:01:48 AM	11/28/23, 11:03:30 AM
Paccione, John D (HEALTH)	11/28/23, 10:02:29 AM	11/28/23, 11:03:27 AM
Arthur Kreitenberg	11/28/23, 10:07:59 AM	11/28/23, 10:22:30 AM
Art Kreitenberg	11/28/23, 10:22:24 AM	11/28/23, 12:57:22 PM

Minutes:

- Jennifer Pagan presented slides reviewing task force purpose and scope
- Setayesh Sepas suggest change of wording for Phase 3 samples from “unformulated” to “base polymer” This was agreed on by group
- Paul Uglum asked if PC copolymer in phase 3 list was same as ABS.
- John Paccione recommended we use schedule 80 PVC as used in UVC disinfection reactors, Paul Uglum agreed and they both agreed to find a appropriate material to share with the group
- Jennifer Pagan suggested a NSF61 approved PVC could also be found on the NSF listing
- Norman Horn suggested using same Lexan and Kydex as phase 2 and Sophie Poleman noted Boeing made these and she would see if she could find contact.

- Art Kreitenberg noted he has contacts for medical materials
- Sepas Setayesh noted biocompatibility is important and recommended a cytotoxicity test be added as a metric and he would look at ISO 10993
- Sepas Setayesh would like to add PC PVT for medical or PPSU Radel R7000
- It was noted by a couple of members that contact angle and FTIR be included in metrics
- When dose range was brought up in slides, Art Kreitenberg noted C.diff dose requirement discussion in other medical committee is high ~ 3000 J/cm² and there is pulse Xenon is used in healthcare setting so there is interest to test.
- Chelsea Todd noted they have Xenon source but it is filtered and they could look at the spectra to check suitability.
- John Paccione noted that Delrin is often used in medical applications