



Crane Composites, Inc.  
Report No. CR 1209-616

# Cleanroom<sup>®</sup> Suitable Materials

**FIRE-X GLASBORD FSFM**  
Particle (vs. PA6): ISO 5

## Flooring & Coating

DUPLICATE

### Qualification Certificate

We hereby certify that the material stated below, provided by

**Crane Composites, Inc.**  
Channahon, IL, United States

has been awarded the Fraunhofer IPA CSM Certificate of Qualification with the report number CR 1209-616.

FIRE-X GLASBORD FSFM, batch number 201697736 was tested regarding particle emission during the application of frictional stress according to VDI 2083-17. The tested material obtained the following classification:

Material pairing and test		Suitable for Air Cleanliness Class (ISO 14644-1)
FIRE-X GLASBORD FSFM	vs. PA6	ISO Class: 5
Reel-on-disc test Normal force 300 N		

Detailed information regarding specific product data such as date of manufacture, color, and serial number as well as test environment and parameters can be obtained from the CSM test report issued by the Fraunhofer-Gesellschaft.

Stuttgart, November 22, 2012

i. A.  
Project manager

The validity of this certificate is temporary indefinite and limited to the named product. It can be verified on [www.tested-device.com](http://www.tested-device.com).

For more CSM information, please visit [www.ipa-csm.com](http://www.ipa-csm.com).