



TEST REPORT

In Account With Specialty Silicone Products Corporate Technology Park 3 McCrea Hill Road Ballston Spa, NY 12020 Attn: Amelia Berry	Date October 16, 2024	Page 1 of 2 Pages
	W.O. Number 79792	Test Report Number TR79792
	P.O. No. 0033516	Received 09/26/2024

IDENTIFICATION: One (1) sample material was submitted for Outgas Testing in accordance with ASTM E595. The test sample was identified as follows:

1) SSP2569-65 (EE033)

SPECIFICATION : ASTM E595.

REFERENCE : Purchase Order Number 0033516.

TESTING : Outgas Testing (ASTM E595).

SUMMARY : The test results, reported herein, are submitted for customer evaluation.

Respectfully submitted,
PACIFIC TESTING LABORATORIES, INC.

Hans Shin
Laboratory Director

Aileen Shin
Materials Engineer

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OUTGAS TESTING

REFERENCE:

ASTM E595.

REQUIREMENT:

ASTM E595, paragraph 1.5: The criteria used for the acceptance and rejection of materials shall be determined by the user and based upon specific component and system requirements. Historically, a total mass loss (TML) of 1.00% and collected volatile condensable material (CVCM) of 0.10% have been used as screening levels for rejection of spacecraft materials.

TEST METHOD:

The Outgas Test was performed in a vacuum environment of less than 5×10^{-5} torr according to ASTM E595, for a duration of 24 hours, at 125°C on three specimens per sample (unless otherwise noted). The TML, CVCM, and the amount of Water Vapor Recovered (WVR) were measured after the test and the average values reported.

RESULTS:

The following tables list the results of the testing:

Table 1. Average Outgas test results.

Sample	TML (%)	CVCM (%)	WVR (%)
SSP2569-65 (EE033)	0.09	0.05	<0.01

Table 2. Testing observation results (for information/reference only).

Sample	Visible Condensate (CVCM)	Percent Covered (CVCM)	Thin / Heavy (CVCM)	Opaque / Transparent (CVCM)	Interference Fringes (CVCM)	Colored Fringes (CVCM)	Appearance After Test (Sample)
SSP2569-65 (EE033)	Yes	60%	Thin	Transparent	No	No	No change

REMARKS:

The test results, reported herein, are submitted for customer evaluation.