ALPINE POLYTECH
Material and Equipment Performance Testing

TEST CERTIFICATE: APT-TC-PP250503-RevA

Standard: Techniques from ISO 23936-2:2011 Annex A
Material: EPM 893
Report: APT-TR-PP250503-RevB
Issued To: Greene Tweed
2075 Detwiler Road, Kulpsville, PA 19443
July 15, 2026

Compliance Statement: The EPM 893 compound has been tested using techniques from ISO 23936-2:2011 Annex A at 1 temperature in supercritical CO2.

Acceptance Criteria: The customer identified acceptance criteria property changes for the aging. The results are shown below.

Immersion Parameters	
100% by Volume	Supercritical CO2
Pressure	2900psi ±200psi
Temperature	150°C ±3°C
Durations (Days)	2, 7, 14, & 28

Acceptance Criteria		
Properties	**Criteria**	**Results**
Hardness	+10/-20 Points	Met
Volume	25/-5%	Met
Tensile Strength	±50%	Met
Elongation at Break	±50%	Met
50% Modulus	±50%	Met
100% Modulus	±50%	Met
Visual Inspection	No Visible Degredation	Met

Prepared By: Kevin Ballard
Kevin Ballard
Principal Scientist

Approved By: Jerod Venable
Jerod Venable
Principal Engineer

ACCREDITED
CERT #7018.01

Alpine Polytech
1325 Ranchers Legacy Trail, Fort Worth, TX 76126
Accredited to: ISO/IEC 17025:2017, Field of Accreditation: Mechanical Testing