APPLIED
AEROSPACE & DEFENSE

Analytical Testing Services
Commercial Price List
February 2026

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Note:
Test pricing includes an analytical report in electronic format containing all test data.

Mechanical Tensile Testing				
Test	**Property**	**Instrument**		
Tensile Test	Tensile Strength; Elongation at Break; Elastic Modulus; Yield Strength; Peel Strength, Seal Strength	Instron Model 5569: Two-Column Table Mounted Universal Materials Testing System with Environmental Chamber Supporting -120 °C to +300 °C.		
Standards Reference		**Option**	**Samples/ Test**	**Price**
Setup Fee – Room Temperature		Required; once per batch if testing conducted at RT	1	$300
Setup Fee – Below Room Temperature		Required; once per batch if testing conducted below RT	1	$540
Setup Fee – Above Room Temperature		Required; once per batch if testing conducted above RT	1	$420
ASTM D638-10, D882-02, D3528-96, D1002-05, D1938-08; F88/F88M-15; D903-98		Ambient temperature (~23 °C)	Up to 5	$300
ASTM D638-10, D882-02, D3528-96, D1002-05, D1938-08; F88/F88M-15; D903-98		Above Room Temperature (24 °C to 150 °C)	Up to 5	$360
ASTM D638-10, D882-02, D3528-96, D1002-05, D1938-08; F88/F88M-15; D903-98		Above Room Temperature (151 °C to 300 °C)	Up to 5	$480
ASTM D638-10, D882-02, D3528-96, D1002-05, D1938-08; F88/F88M-15; D903-98		Below Room Temperature (-60 °C to 22 °C)	Up to 5	$630
ASTM D638-10, D882-02, D3528-96, D1002-05, D1938-08; F88/F88M-15; D903-98		Below Room Temperature (-120 °C to -60 °C)	Up to 5	$750

Differential Scanning Calorimetry (DSC)				
Test	**Property**	**Instrument**		
DSC Scan	Glass Transition Temperature (T_g); Melting Temperature (T_m); Crystallization Temperature (T_c)	TA Instruments Model Q200 Modulated Differential Scanning Calorimeter (DSC) with -50 °C to +725 °C temperature capability; mass flow control; RCS90 refrigerated cooling system; gas dryer.		
Standards Reference		**Option**	**Samples/ Test**	**Price**
Setup Fee		Required; once per batch	1	$360
ASTM D7426-08; D3418-08; E1356-08		Duplicate Scan Up to 100 °C 10 °C/min or Higher Rate	1	$360
ASTM D7426-08; D3418-08; E1356-08		Duplicate Scan Up to 300 °C 10 °C/min or Higher Rate	1	$430
ASTM D7426-08; D3418-08; E1356-08		Duplicate Scan Up to 500 °C 10 °C/min or Higher Rate	1	$500

Thermomechanical Analysis (TMA)				
Test	**Property**	**Instrument**		
TMA Scan	Coefficient of Thermal Expansion (CTE); Glass Transition Temperature (T_g); Creep; Modulus, Tan Delta	TA Instruments Q400EM Thermomechanical Analyzer (TMA) with Mass Flow Control; Modes of operation include temperature ramp, isostrain, force ramp, stress ramp, strain ramp, isostrain, creep, stress relaxation, dynamic TMA, and modulated TMA; Temperature Range is -150 °C to +1000 °C; automated furnace and probe movement, automated sample dimension measurement, and automated air-cooling; Quartz sample stage; Available probes include standard expansion probe, penetration probe, macro expansion probe; Film and fiber accessory kit; 3 point bend probe.		
	Standards Reference	**Option**	**Samples/ Test**	**Price**
	Setup Fee	Required; once per batch	1	$360
	ASTM E831-06	Duplicate Scan Up to 100 °C 10 °C/min or Higher Rate	1	$360
	ASTM E831-06	Duplicate Scan Up to 300 °C 10 °C/min or Higher Rate	1	$430
	ASTM E831-06	Duplicate Scan Up to 500 °C 10 °C/min or Higher Rate	1	$500
	Case Specific Creep	Initial Creep Test Setup Minimum Temp 40 °C range	1	$1,500
	Case Specific Creep	Initial 24 hour test Single Scan Minimum Temp 40 °C range	1	$1,500
	Case Specific Creep	Each additional 24 hour Single Scan Minimum Temp 40 °C range	1	$720

UV/Vis/NIR Spectrophotometry				
Test	**Property**	**Instrument**		
UV/Vis/NIR Scan	Ultraviolet (UV), Visible, and Near Infrared (NIR) Transmission, Reflection, Absorption	Perkin-Elmer Model Lamda 950 Spectrophotomer with spectral range 175 –3300 nm complete with spectralon-coated integrating sphere (250–2500 nm) for true reflectance and transmission measurements.		
	Standards Reference	**Option**	**Samples/ Test**	**Price**
	Setup Fee	Required; once per batch	1	$300
	In-House Procedure	Film Scan Trans. or Refl. 500 nm Range	1	$300
	In-House Procedure	Film Scan Trans. or Refl. Full 250-2500 nm Range	1	$430
	In-House Procedure	Liquid Scan - Trans. Only 500 nm Range	1	$300
	In-House Procedure	Liquid Scan - Trans. Only Full 175-3300 nm Range	1	$430
	In-House Procedure	Data Analysis, Reduction for Solar Optical Values (τ_s, ρ_s, α_s) for AM0 or AM1.5	1	$180

Fourier Transform Infrared Spectroscopy (FTIR)				
Test	**Property**	**Instrument**		
FTIR Scan	Infrared Transmission, Reflection, Absorption	Bruker Model Tensor 27 Fourier Transform Infrared Spectrometer with Spectral range 1 - 25 µm, complete with gold-coated integrating sphere for true reflectance and transmission measurements.		
	Standards Reference	**Option**	**Samples/ Test**	**Price**
	Setup Fee	Required; once per batch	1	$420
	In-House Procedure	Film Scan Trans.or Refl.	1	$420
	In-House Procedure	Liquid Scan Transmission Only	1	$420

Infrared Emissivity				
Test	**Property**	**Instrument**		
Emissivity Scan	Hemispherical or Normal Infrared Emittance / Infrared Emissivity	AZ Technology Temp 2000A Emissometer/reflectometer measures total hemispherical reflectance, <3 to >35 micrometers wavelength. Provides both normal and hemispherical 300k (ambient) emittance measurements. The recognized replacement for the no longer produced Gier Dunkle DB 100 IR Reflectometer, with improved performance and maintainability and in accordance with the ASTM E408 standard.		
Standards Reference		**Option**	**Samples/ Test**	**Price**
Setup Fee		Required; once per batch	1	$300
ASTM E408-13		IR Emittance Hemispherical or Normal	Up to 5	$180

Electrical Resistivity				
Test	**Property**	**Instrument**		
Resistivity Measurement	Surface or Bulk Electrical Resistivity	Prostat PRS-812 resistance meter coupled with Prostat PRF-911 concentric ring fixture or PRF-912B miniature concentric ring fixture		
Standards Reference		**Option**	**Samples/ Test**	**Price**
Setup Fee		Required; once per batch	1	$240
ASTM D257-07		Surface Resistivity 10^{1}-10^{12} ohms/sq range	Up to 3	$210
ASTM D257-07		Volume Resistivity - 10^{1}-10^{12} ohms range	Up to 3	$210

Surface Profilometry				
Test	**Property**	**Instrument**		
Surface Profilometry	Step Height 3-D Surface Profile	Bruker Dektak Surface Profiler with automated sample stage. 150 x 150 mm X-Y scan capabiltiy with sample thicknesses up to 1 mm.		
Standards Reference		**Option**	**Samples/ Test**	**Price**
Setup Fee		Required; once per batch	1	$420
In-House Procedure		2-D Step Height Measurement	1	$300
In-House Procedure		3-D Surface Mapping	1	$1,800

Consulting				
Test	**Property**	**Instrument**		
Additional Consulting	General Consulting	Consulting Services with Ph.D. Analytical Laboratory Manager		
Standards Reference		**Option**	**Time**	**Price**
N/A		Consulting Per Hr	1 hr	$300

Volume Testing Discounts

Pricing discounts are available for multiple samples, please inquire for more information.

Contact Information

For any questions or for additional information, please contact:

Analytical Laboratory Manager	D. Lynn Rodman, Ph.D.
Phone	256-836-7784
Email	lynn.rodman@nexolve.com
Address	355 Quality Circle Huntsville, AL 35806