

Price List for Testing

*Prices are per material



Electrical Testing

Reflection Loss via NRL arch

Price	Testing	Test Method
\$500	L-band (0.6 – 2 GHz)	TM-001
\$500	Std Horns (2 – 18 GHz)	TM-002
\$500	High Freq Horns (18 – 40 GHz)	TM-003
\$500	Insertion Loss via Waveguide	ASTM D5568
\$500	Focused Beam System	TM-006
\$500	Resonant Cavity	TM-010

Characterization of Permittivity and Permeability

Price	Testing	Test Method
\$500	7mm Coax Waveguide (0.5 – 18 GHz)	ASTM D7449
\$500	WR-42 Waveguide (18 – 26.5 GHz)	ASTM D5568
\$500	WR-28 Waveguide (26.5 – 40 GHz)	ASTM D5568
\$300	Permeability via Impedance	TM-004
\$300	Surface and Volume Resistivity	ASTM D257

Analytical Testing

Price	Testing	Test Method
\$300	Solution Viscosity	ASTM D2196
\$500	SEM Microscopy	-
\$300	Optical Microscopy	-
\$500	BET Surface Area Measurements of Powder	ASTM B922
\$300	Skeletal Density via Pycnometer	ASTM B923
\$250	Density	ASTM D792
\$500	Particle Size Analysis via Laser Diffraction (Horiba)	ASTM B822
\$500	FTIR (per sample)	ASTM E168
\$4,000	Gas Chromatography	ASTM E1642
\$500	Melt Index	ASTM D1238

Environmental Testing

Price	Testing	Test Method
\$3	Accelerated Weathering per hour	ASTM G155
\$3	Weatherometer (Xenon lamp) per hour	ASTM G154
\$50	Pictures per session	-
Setup \$1500, \$22/hr	Hydrostatic Test	ASTM D2837
\$6	Humidity per hour	
\$10	Salt Fog Testing cost per hour (as many specimens that will fit)*	ASTM B117
\$500	Fluid Soaks	ASTM D471
\$500	Weight Gain and Volume Swell after Fluids	ASTM D471
\$20	Steam Autoclave Exposures per hour	TM-005
\$500	Acetone Extraction Testing per sample	ASTM D494

Mechanical Testing

Price	Testing	Test Method
\$250	Durometer	ASTM D2240-03
\$500	Compression Testing	ASTM D395
	Tensile Testing	
\$100	Coupon Prep each	ASTM D412
\$500	Room Temperature	ASTM D412
\$700	-95F to Room Temperature	ASTM D412
\$600	Room Temperature to 500F	ASTM D412
	Flatwise Tensile	

\$100	Coupon Prep each	ASTM C297
\$500	Room Temperature	ASTM C297
\$700	-95F to Room Temperature	ASTM C297
\$600	Room Temperature to 500F	ASTM C297
	180 Peel	
\$100	Coupon Prep each	ASTM D903, D3330
\$500	Room Temperature	ASTM D903, D3330
\$700	-95F to Room Temperature	ASTM D903, D3330
\$600	Room Temperature to 500F	ASTM D903, D3330
	Roller Peel	
\$100	Coupon Prep each	ASTM D3167
\$500	Room Temperature	ASTM D3167
\$700	-95F to Room Temperature	ASTM D3167
\$600	Room Temperature to 500F	ASTM D3167
	Flexural Testing	
\$100	Coupon Prep each	ASTM D790
\$500	Room Temperature	ASTM D790
\$700	-95F to Room Temperature	ASTM D790
\$600	Room Temperature to 500F	ASTM D790
	Lap Shear	
\$100	Coupon Prep each	ASTM D494
\$500	Room Temperature	ASTM D494
\$700	-95F to Room Temperature	ASTM D494
\$600	Room Temperature to 500F	ASTM D494

Thermal Testing

Price	Testing	Test Method
\$500	Dynamic Mechanical Analysis (DMA)	ASTM D5026
\$500	Thermal Conductivity	ASTM E1530
\$500	Rheometer	ASTM D6204
\$500	Digital Scanning Calorimetry (DSC)	ASTM E2253
\$500	Thermogravimetric Analysis (TGA)	ASTM E1131

Optical Testing

Price	Testing	Test Method
\$250	Color Measurement via hand-held colorimeter	CIELAB
\$250	Haze	ASTM D1003
\$250	Optical Light Transmission	ASTM D1003
\$500	X-Ray Imaging (per part)	-

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