

Test Capabilities & Price List



*Prices per material

Electrical Testing

Reflection Loss via NRL arch

Testing	Test Method	Price
L-Band (0.6—2 GHz)	TM-001	\$300
Standard Horns (2—18 GHz)	TM-002	\$200
High Frequency Horns (18—40 GHz)	TM-003	\$200
Insertion Loss via Waveguide	ASTM D5568-08	\$200

Characterization of Permittivity and Permeability

Testing	Test Method	Price
7 mm Coax Waveguide (0.5—18 GHz)	ASTM D7449-08	\$200
WR-42 Waveguide (18—26.5 GHz)	ASTM D5568-08	\$300
WR-28 Waveguide (26.5—40 GHz)	ASTM D5568-08	\$300
Permeability via Impedance	TM-004	\$200
Surface and Volume Resistivity	ASTM D257	\$200
Focused Beam Extraction— Complex Permittivity/Permeability (2—26.5 GHz)	—	\$500
Focused Beam Extraction— Complex Permittivity/Permeability (26.5—40 GHz)	—	\$500
Focused Beam Extraction— Complex Permittivity/Permeability (75—110 GHz)	—	\$500

Analytical Testing

Testing	Test Method	Price
Solution Viscosity	ASTM D2196	\$200
SEM Microscopy	—	\$300
Optical Microscopy	—	\$200
BET Surface Area Measurements of Powder	ASTM B922-02	\$500
Skeletal Density via Pycnometer	ASTM B923	\$250
Density	ASTM D792	\$200
Particle Size Analysis via Laser Diffraction (Microtrac)	ASTM B822	\$400
Melt Index	ASTM D1238	\$300

Environmental Testing

Testing	Test Method	Price
Accelerated Weathering	ASTM G155	\$3/hr
Weatherometer (Xenon Lamp)	ASTM G154	\$3/hr
Pictures	—	\$50/Photo Session
Hydrostatic Test	ASTM D2837	Setup \$1,500, \$22/hr
Salt Fog Testing	ASTM B117	\$10/hr
Fluid Soaks	ASTM D471	\$350
Weight Gain and Volume Swell after Fluids	ASTM D471	\$200
Steam Autoclave Exposures	TM-005	\$10/hr
Acetone Extraction Testing	ASTM D494	\$500/Sample

Solutions for Interference Control

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Mechanical Testing

Testing	Test Method	Price
Durometer	ASTM D2240-03	\$200
Compression Testing	ASTM D395	
Tensile Testing		
Room Temperature	ASTM D638-02A ASTM D412	\$300
-95°F to Room Temperature	ASTM D638-02A ASTM D412	\$550
Room Temperature to 500°F	ASTM D638-02A ASTM D412	\$400
Flatwise Testing		
Coupon Prep	ASTM C297	\$85 each
Room Temperature	ASTM C297	\$300
- 95°F to Room Temperature	ASTM C297	\$550
Room Temperature to 500°F	ASTM C297	\$400
180 Peel		
Coupon Prep	ASTM D903	\$85 each
Room Temperature	ASTM D903	\$300
- 95°F to Room Temperature	ASTM D903	\$550
Room Temperature to 500°F	ASTM D903	\$400
Roller Peel		
Coupon Prep	ASTM D3167	\$85 each
Room Temperature	ASTM D3167	\$300
- 95°F to Room Temperature	ASTM D3167	\$550
Room Temperature to 500°F	ASTM D3167	\$400
Flexural Testing		
Room Temperature	ASTM D790-10	\$300
- 95°F to Room Temperature	ASTM D790-10	\$550
Room Temperature to 500°F	ASTM D790-10	\$400
Lap Shear		
Coupon Prep	ASTM D494	\$85 each
Room Temperature	ASTM D494	\$300
- 95°F to Room Temperature	ASTM D494	\$550
Room Temperature to 500°F	ASTM D494	\$400

Thermal Testing

Testing	Test Method	Price
Dynamic Mechanical Analysis (DMA)	ASTM D5026	\$250

Optical Testing

Testing	Test Method	Price
Color Measurement via Hand-Held Colorimeter	CIELAB	\$100
Haze	ASTM D1003	\$100
Optical Light Transmission	ASTM D1003	\$100

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