



Failure Analysis and Forensics Services

The following is a list of our common failure analysis and forensics services. The list is not exhaustive. We pride ourselves in our readiness for all of our clients' needs regardless of how infrequent or unique they are. Please contact us at 206-508-1470 or info@labcornmaterials.com if you do not see what you are looking for below.

<u>Test</u>	<u>Method Publisher</u>	<u>Method ID Number</u>
Air Quality Analysis	Adapted ASTM	in-house
Abrasion Testing	ISO	20871
Adhesion Testing	ASTM	B571
Ash Content in Plastics	ASTM	D5630
Biological Contamination Analysis	various	various
Breathing Air Analysis	Adapted ASTM	in-house
Container Cleaning and Sterilization	TBD	custom
Extraction of Solid Waste	ASTM	D5369
Flammability of Solids	EPA	1030
Flashlight Specifications	NEMA	FL1
Flexural Properties in Plastics	ASTM	D790
Fungal Deterioration in Paint	ASTM	D5590
Instrument Calibration	various	various
Material Compatibility with Grease and Fluid	ASTM	D4289
Melting Point/Range by DSC	ASTM	D1519
Off-Site Consulting	N/A	N/A
On-Site Consulting	N/A	N/A
pH of Water and Aqueous Solutions	ASTM	D1067, E70
Plastic Shear Strength	ASTM	D732
Reverse Engineering of Failure Events	TBD	custom
Rubber Deterioration with Heat and Pressure	ASTM	D573, D454
Rubber Discoloration	ASTM	D1148
Rubber Fatigue	ASTM	D430
Rubber Hardness	ASTM	D2240
Rubber Oxidation	ASTM	D572
Rubber Tension	ASTM	D412
Systems Failure	TBD	custom
Tensile Properties in Plastics	ASTM	D638
Torque/Dynamic Load Analysis	various	various
Waste Stream Gas Analysis by GC	Adapted ASTM	in-house
Weight Percent of Component Materials	various	various