Lab/Cor Materials, LLC
Materials Analysis, Testing, and Consulting

Materials Identification and Characterization Services

The following is a list of our common materials analysis 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@labcormaterials.com if you do not see what you are looking for below.

Test	*Method Publisher*	*Method ID Number*
Ash Content in Plastics	ASTM	D5630
Chemical Preparation	TBD	custom
Coating Thickness by X-ray	ASTM	B568
Density of Solid Material	ASTM	D792
Durometer-A Hardness	ASTM	D2240
Extraction of Solid Waste	ASTM	D5369
Flammability of Solids	EPA	1030
Flexural Properties in Plastics	ASTM	D790
Formaldehyde Analysis	AATCC	1124
Infrared Spectral Molecular Analysis	ASTM	E1252
GC-FID of Gases and Volatile Liquids	various	various
Glass Content	ASTM	D5630
Grain Structure Analysis	Adapted ASTM	in-house
Instrument Calibration	various	various
Kinematic Viscosity	ASTM	D446
Lead Testing in Metals by XRF	ASTM, CPSC	F2853, CH-E1001-08.3
Melting Point/Range by DSC	ASTM	D1519
Off-Site Consulting	N/A	N/A
On-Site Consulting	N/A	N/A
Particle Size Determination	Adapted ASTM	in-house
pH of Water and Aqueous Solutions	ASTM	D1067, E70
Phthalate Extraction and Detection by GC-FID	ASTM	D3421, D7083
Plastic Moisture Content	ASTM	D6980
Plastic Shear Strength	ASTM	D732
PVC Components by IR Spectroscopy	ASTM	D2124
Refractive Index	ASTM	D1218
Rubber Compression	ASTM	D395, D695
Rubber Elongation with Stress	ASTM	D1456
Rubber Hardness	ASTM	D1415
Rubber Identification by Infrared Spectroscopy	ASTM	D3677
Rubber Liquid Interaction	ASTM	D471
Rubber Tension	ASTM	D412
Silanes in Rubber	ASTM	D6843

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Test	Method Publisher	Method ID Number
Soil Survey	US DoAg NRCS	various
Specific Heat by Differential Scanning Calorimetry	ASTM	E1269
Tensile Properties in Plastics	ASTM	D638
Torque/Dynamic Load Analysis	various	various
Weight Percent of Component Materials	various	various
X-Ray Fluorescence of Atomic Composition	various	various