



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

RAVAGO MANUFACTURING AMERICAS
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 Manchester TN 37355
 Brad Chatfield Phone: 931 728 7009

MECHANICAL

Valid To: September 30, 2018

Certificate Number: 1181.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on plastics:

Test:

Test Method(s):

Impact Resistance of Notched Specimens of Plastics	ASTM D256 (Methods A and E)
Specular Gloss	ASTM D523
Conditioning of Plastics for Testing	ASTM D618
Tensile Properties of Plastics (Excluding Poisson's Ratio)	ASTM D638 (<i>Except Section A3</i>)
Deflection Temperature of Plastics under Flexural Load	ASTM D648 (Method B)
Determination of Melting Point	ASTM D789-94 (Withdrawn 1998)*
Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials	ASTM D790
Specific Gravity (Relative Density) and Density of Plastics by Displacement	ASTM D792 (Method A)
Flow Rates of Thermoplastics by Extrusion Plastometer	ASTM D1238
Calculation of Color Differences from Instrumentally Measured Color Coordinates	ASTM D2244
Vertical Burning Characteristics (94V)	ASTM D3801
Ash Content in Thermoplastic	ASTM D5630 (Procedure B)
Moisture in Plastics using Karl Fischer	ASTM D6869
Determination of Temperature of Deflection under Load - Parts 1 and 2	ISO 75-1, -2
Determination of Flex Properties	ISO 178

Test:

Determination of Charpy Impact Strength

Determination of Izod Impact Strength

Determination of Tensile Properties - Parts 1 and 2 (Excluding Poisson's Ratio)

Determination of Melt Mass - Flow Rate (MFR)

Methods for Determining the Density and Relative Density

Determination of Melting Point

Determination of Ash - Part 1 (Method A) and Part 4 (Polyamides)

Moisture Determination

DSC – Differential Scanning Calorimetry

TGA – Thermogravimetric Analysis

IR – Infrared Spectroscopy

Vicat Softening Temperature of Plastics

Determination of Moisture in Plastics by Loss in Weight

Test Method(s):

ISO 179-1

ISO 180-1A

ISO 527-1, -2 (*Except Section 10.4*)

ISO 1133-1, -2 (Procedure A)

ISO 1183-1 (Method A)

ISO 1218-75 (Procedure B)
(Withdrawn 1997)*

ISO 3451-1, -4

ISO 15512 (Method B)

ISO 11357-1, -3

ISO 11358-1; ASTM E1131

ASTM E168, E1252

ASTM D1525; ISO 306

ASTM D6980

**Note: This laboratory's scope contains withdrawn methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.*





Accredited Laboratory

A2LA has accredited

RAVAGO MANUFACTURING AMERICAS

Manchester, TN

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 26th day of July 2016.

A handwritten signature in blue ink, reading "Jim C. Burnett".

Senior Director of Quality and Communications
For the Accreditation Council
Certificate Number 1181.01
Valid to September 30, 2018

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.