

CUSTOMER TRAINING AND WORKSHOPS

Plastics: Specifying and Evaluating Materials for Electrical, Electronic and Mechanical Applications

Workshop overview

This highly interactive two-day workshop will give you the latest information on plastic materials intended for use in electrical products, plus provide extensive information about Underwriters Laboratories® tests, ratings and requirements for plastics. You'll also learn where the IEC stands with regard to plastics and how to use UL's Plastics Directory to select the right recognized plastic materials for your products.

The purpose of this two-day workshop is to increase your awareness of the safety issues involved with selecting plastic materials for use in electronic and electrical products. A series of lectures and classroom exercises have been designed to enhance your skills in selecting materials for specific product applications. The knowledge you gain from this workshop will help you make better, more informed decisions regarding the selection of plastics, and help you move from the design stage to production as quickly as possible.

Participants will be evaluated via case studies document which includes short answer, quiz questions, oral questions and product scenarios.

Learning outcomes

- Identify and describe the flammability tests, ignition tests, electrical tests, mechanical tests, thermal tests (UL 94 and UL 746A-C) and the ratings and requirements for each
- Discuss the molder's program works: material traceability and modifications (UL 746D)
- Define the differences between IEC and UL with regard to plastics
- Apply the concepts discussed in this course with real world simulations

Who should attend

- Product safety engineers
- Compliance engineers
- Product designers
- Technical marketing professionals

Private workshops

Private workshops offer a cost-effective solution for bringing expert instruction to you and your staff. If your organization plans to send five or more individuals to a public workshop, you may want to consider letting us come to you. Because these programs are private, we can tailor the content to suit your specific business needs.

2011 schedule

March 21-22 – San Jose, Calif.

May 3-4 – Toronto, Ontario

July 13-14 – Northbrook, Ill.

October 19-20 – Research Triangle Park, N.C.

Registration fee

\$1,050 USD

Price includes breakfast and lunch. Dates and locations are subject to change. Please visit www.uluniversity.com for the latest information.



Learning outcomes continued

- Determine applicable requirements and select appropriate materials

Workshop topics

- Flammability classification
- Resistance to ignition
- Electrical, mechanical and thermal properties
- Electrical insulation
- Thermal considerations
- Material substitution
- Fabricated parts
- Special applications

Continuing Education Units

UL University has been reviewed and approved as an Authorized Provider of the Continuing Education Unit (CEU) by the International Association for Continuing Education and Training (IACET).

Our IACET CEU Authorized Provider Status is a reflection of our commitment to sound, effective training and is a testament to our skill in designing and developing training programs based on sound instructional design principles. We develop programs that are designed to help you improve your performance on the job. For more information about IACET and the CEU, visit www.iacet.org.

You may receive credit in the form of CEUs for this UL University course.

Successful completion of this workshop will result in 1.6 CEUs (16 contact hours).

