



CHEMICALS DIVISION

# Recycled Plastics: Manufacturing Sustainable Products

*In a world where raw materials are slowly eroding and customers are demanding more eco-friendly products, sustainable resins are urgently needed.*

For over a century, UL has been helping customers bring safe products to the market. Because we rigorously test and perform on-site auditing, our UL Mark has come to signify the highest levels of quality and trust.

## Innovative Solutions: Safety Certification and Environmental Claim Validation for Recycled Plastics

UL's **safety certification program** evaluates plastics with recycled content (pre- or post-consumer) for compliance to UL safety Standards so they can be used in components and end-products where UL requirements are defined. This meticulous safety certification program enables a recycled plastic to have the same level of acceptability as a virgin compound in end-use applications when compliance to UL 94, UL 746A and UL 746B is required. These UL safety Standards are globally recognized and have been around for over 40 years. The newly updated requirements in UL 746D were written to ensure that recycled materials not only comply with the applicable requirements when initially evaluated, but that they also maintain compliance on an ongoing basis.

UL's **environmental claim validation** for recycled content in plastics will validate the percentage of post-consumer, pre-consumer (post-industrial) or total recycled content of a product. The environmental claim validation provides transparency that a recycled plastic has been independently audited by an independent third party. This allows you to communicate environmentally preferable recycled content attributes clearly and credibly to your customer.

The safety certification and environmental claim validation are designed to help product manufacturers achieve their sustainability goals by:

- **Achieving credibility from a third-party** — You can rely on one of the world's most trusted names in third-party product safety and sustainability evaluation—UL.
- **Access to industry experts** — You have access to the expertise and experience of UL engineers to guide you in making sure the components in your products have meet applicable requirements.

### Did you know?

UL has designed over 1,400 safety standards to reduce the risks of fire, electric shock and personal injury. Many of these standards include plastic requirements that define the burning, ignition, electrical tracking, and other physical and mechanical characteristics to ensure the plastic is suitable for its application.



For more information T: 877.UL.HELPS (877.854.3577) or [cec@ul.com](mailto:cec@ul.com)

- **Safeguarding your brand** — Once the material meets our initial requirements, we continue to work with you so the products undergo periodic re-validations. This way, your customers can know that your product meets the same requirements on an ongoing basis.

## About UL

UL is a premier global independent safety science company with more than 118 years of history. Employing more than 10,000 professionals with customers in over 100 countries, UL has five distinct business units — Product Safety, Environment, Life & Health, Knowledge Services, and Verification Services — to meet the expanding needs of our customers and to deliver on our public safety mission. For more information on UL's family of companies and global network of laboratory, testing, and certification facilities, goes to [UL.com](http://UL.com).

## How to get started:

For more information on UL services and how they can benefit your company, contact us at 877.UL.HELPS (877.854.3577) or [cec@ul.com](mailto:cec@ul.com).

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