



Advanced Applications

Radiation Processing of Polymers for the Auto Industry

Available for both testing and commercial processing of automotive polymers and composites

Sterigenics Advanced Applications offers electron beam service and development centers located worldwide:

San Diego, CA

Gaithersburg, MD

Bridgeport, NJ

Rayong Province, Thailand

Espergaerde, Denmark

Shanghai, China

In addition, we operate 16 gamma service centers worldwide

We stand ready to work with all aspects of the automotive manufacturing process to optimize and validate radiation processing protocols, to increase performance specifications, and reduce costs.

Radiation processing is a well-established and economical method of modifying polymer materials used in the automotive industry. Over the past decades, manufacturers across the globe have counted on radiation processing to improve temperature and abrasion resistance in wire and cable sheathing, to manufacture heat-shrinkable connectors and films, to modify melt flow properties of bulk polymers, and for a host of other industrial applications.

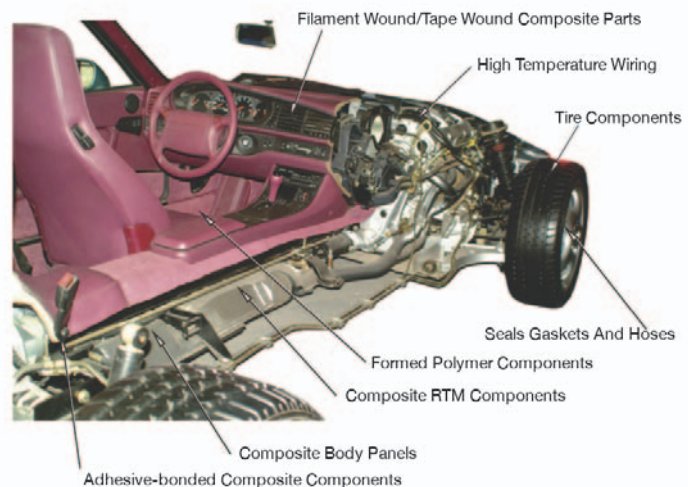
Benefits

Polymers

- Improved temperature resistance
- Increased mechanical properties
- No residuals
- Lower cost

Composites

- Very rapid curing
- Ambient temperature curing
- Precise curing control
- Adhesive bonding of thick parts
- Lower costs
- Simpler tooling



Sterigenics services for the auto industry include:

- Electron beam and gamma processing contract services
- Process development support
- Radiation processing consultation
- Materials consultation