



## e-beam crosslinkable thermoplastics

- polyethylene (HDPE, LDPE, LLDPE, UHMWPE, etc.)
- fluoropolymers (PVF, ECTFE, PVDF, ETFE, etc.)
- ethylene copolymers (EVA, Surlyn, etc.)
- nylon (PA6, PA6-6, PA12, etc.)
- polybutylene terephthalate (PBT)
- chlorinated polyethylene (CPE)
- polyacrylates
- polyvinyl chloride (PVC)
- and more...

## e-beam crosslinkable elastomers

- natural rubber
- synthetic rubber
- silicone rubber
- nitrile rubber
- chlorosulfonated polyethylene (CSPE)
- thermoplastic elastomers
- polyurethane
- polybutadiene
- ethylene propylene diene monomer (EPDM)
- ethylene propylene rubber (EPR)
- styrene butadiene rubber (SBR)
- and more....

## Examples of commercial products that use e-beam crosslinking



- wire and cable jacketing
- heat-shrinking products
- gaskets, seals & other molded parts
- piping and tubing
- polyethylene foam sheet
- hydrogels



To contact an E-BEAM Services technical specialist about your crosslinking application . . .  
**call 1-877-41E-BEAM**

In addition to the crosslinking of polymers, E-BEAM Services offers electron beam processing services for rheology control, long chain branching and chain scissioning of polymer pellets, semiconductor enhancement and medical device sterilization.

### Why choose E-BEAM Services?

E-BEAM Services, Inc. is a leading supplier of contract electron beam processing services with more than 500 kW of installed accelerator capacity in three processing facilities . . .



**Lebanon, Ohio:** Two 5.0 MeV accelerators with combined 300 kW of capacity

**Cranbury, New Jersey:** A 4.5 MeV accelerator with 150 kW of capacity

**Lafayette, Indiana:** A 1.5 MeV accelerator for wire, cable and tubing e-beam processing



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#### Contract Electron Beam Processing

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