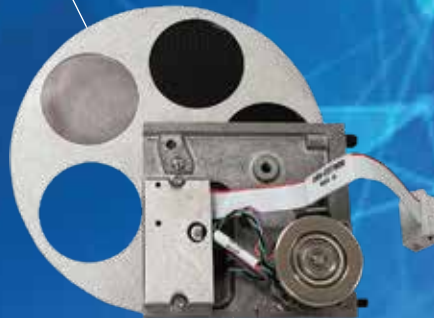




DIE CUT COMPONENTS



Product Design Solutions

The variety of materials available are ideal for use in sealing, cushioning, vibration isolation, electrical insulation and thermal management. Their resistance to environmental extremes, mechanical resilience and safety features make them perfectly suited for critical applications in transportation equipment, communications and electrical enclosures, electronic products and components, industrial machinery and appliances.

DuraTech's insulation and gasket materials are available in a variety of thicknesses with a wide range of firmness characteristics. These materials offer a broad range of design solutions where function and quality are critical.



PART TOLERANCE

+/- .015" – Standard steel rule die
Can be jig cut or laser burned.

+/- .010" – Tight tolerance steel rule die
Laser burned—generally used for mated parts or parts that fit a recess.

+/- .005" – Hard tool, "Matched Metal"
Generally used for extremely tight tolerance or long running projects.

+/- .010" – Electronic knife plotter
Generally used for short runs. As material thickness increases (above .015") tolerances may increase to +/- .020" or greater.

+/- .010" – Router
Used for short runs on materials that are thicker than 3/8". Precise holes and trimming result in a high-quality edge finish.

Flexo tooling is an alternative option for some materials. Tolerances for Flexo tooling range from +/- .005 to +/- .015 (depending on material thickness).

Laser cutting is an alternative option for materials or parts that cannot be die cut due to intricate designs, tight tolerances, etc.

Steel rule dies are an excellent low cost alternative to hard tooling for thin gauge plastics (generally .030" or less) and pressure sensitive films.

Hard tooling will provide a tighter tolerance and a much longer cutting life compared to steel rule dies. This option will likely cost more than other options.

MATERIALS AVAILABLE

3M VHB
Butyl
Cork
EFR
Felt
Fish paper
Foil
FR65
FR700
FR25A
Lexan - FR60
Neoprene
PBT - Valox
Polyetherimide thermoplastic - Ultem
Polyester
Polyimide
Poron
Rubber
Silicone
Tape
Thermal material
Thin film
Valox FR1
Vinyl matting

These are just some of the materials available. We recommend speaking with one of our experts about your materials and testing requirements.

VALUE-ADDED SERVICES

With and without adhesive
Embossing / Forming
Kits available

SIZES

Custom sizes and shapes are available

