

Extruded Plastic Products



Kirkhill-TA: Great performances in the design and production of extruded plastic products

For over 46 years Kirkhill-TA's extruded plastic design and manufacturing team has delivered market winning performances and acclaim from customers. Today Kirkhill-TA's extruded plastic capability is one of the worlds largest and capable of meeting any requirement large or small, standard or custom.

Kirkhill-TA's complete in-house plastic extrusion capability includes the design and production of extrusion dies and prototype part fabrication. Production parts may combine any of Kirkhill-TA's plastic extrusion inline manufacturing and finishing processes including embossing, hole and slot punching, forming, sizing and imprinting. Also available are fabrication drilling, routing, notching, grinding, flaring, punching, shaping and splicing services. Kirkhill-TA manufacturing experts are pro-active in offering advice on how these processes may lower the cost of complex molded parts.

Kirkhill-TA's plastic extrusion products capabilities includes:

- ▶ Cutting
- ▶ Stamping
- ▶ Drilling
- ▶ Foamed rigid/flexible extrusion
- ▶ Forming
- ▶ Embossing
- ▶ Identification printing

EXTRUDED PLASTIC SPECIFICATION PARAMETERS:

- ▶ Plastic extrusion tolerances: Dimensional tolerances of thermoplastic compounds may be grouped into three classes and two groups
- ▶ Group I class I (high precision) compounds Polyvinyl chloride (PVC)

Rigid Flexible

- ▶ Thermoplastic elastomers (TPE's) & TPV's
 - Elast-o-lene®
 - Santoprene®
 - Alcryn®
 - Kraton®
 - Sarlink®
- ▶ Group II
- ▶ ABS
- ▶ Polyethylene: ULDPE, HDPE, LDPE, Styrene, LLDPE
- ▶ Clases of tolerance tables

Dimensions in inches	Group I Compounds only	Group II	Compounds
	High Precision	Precision	Commercial
0 - .5.	+/- .005	+/- .005	+/- .010
.50 - .75.	+/- .008	+/- .010	+/- .015
.75 - 1.00	+/- .010	+/- .015	+/- .020
over 1.00	+/- 1%	+/- 1-1/2	+/- 2%