

## STANDARD FOR DIMENSIONAL TOLERANCE ON PLASTICS

I.	General Practice:	
	A.	Dimensions must be drawn to and from controlled surfaces.
	B.	The controlled surface on a molded part is the surface against the mold.
	C.	Call out Mold release + draft or - draft angle from datum 2 degrees typical
- Militarian managarangan		1 degree acceptable
	D.	Variance in thickness of Stock Material is typically
II.	Toler	ances for molded and fabricated Dimensions:
	A.	To controlled part surface for dimensions less than 15"
		1. Two position dimension, tolerance should be
	*1	2. Three position dimension, tolerance should be+/015"
	В.	To controlled part surface greater than 15" less than 30"
		1. Two position dimension, tolerance should be +/040"
	•	2. Three position dimension, tolerance should be +/020"
III.	Tolerances for machined Dimensions:	
	A.	Center of hole to center of hole
	B.	Machined edge to machined edge for dimensions less than 15"
		1. Two position dimension, tolerance should be +/020"
		2. Three position dimension, tolerance should be +/010"
	C.	Machined edge to machined edge for dimensions greater than 15" less than 30"
		1. Two position dimension, tolerance should be +/030"
		2. Three position dimension, tolerance should be
IV.	Tol	erances for Angles
V.	Tol	erances for Flatness