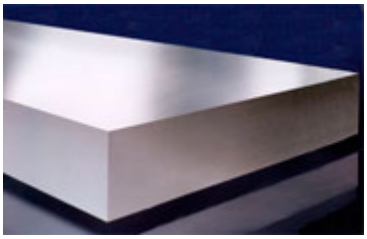

## FEATURES

Material optimized for machining excellent, good stability of shapes with very high and uniform mechanical properties throughout the thickness of the plate.

## ROUTINE USE

Injection and compression molds for plastics, thermoforming, blow molding or vacuum all types of plastics, rubber and sponge contaminates. Electrical components and mold carrier structures. Parts moving parts.

## POSSIBILITIES OF APPLICATIONS AND USE

| | CRITERIA | T-652 |
|---|---|---|
| CORROSION | Resistance to normal atmosphere | Low |
| | Resistance industrial atmosphere | Low |
| ELECTRICAL COND. | Electrical conductivity | Good |
| SUP. TREATMENT | Polishing | Excellent |
| | Industrial Anodizing | Good |
| | Decorative Anodizing | Unsuitable |
| CONFORMED | Hot folded | – |
| | Cold folded | – |
| | Inlaid/repulsed | – |
| | Forged | Excellent |
| | Machining | Excellent |
| ASSEMBLY | Welding under protective atmosphere | Possible |
| | Resistance welding | Good |

| | | |
|---|---|---|
| SURFACE FINISH | Chrome, Nickel, Textured | Good |

## CHEMICAL COMPOSITION

| ELEMENTS | Si | Fe | Cu | Mn | Mg | Cr | Ni | Zn | Ti | Al | OTHER | Zr | Zr + Ti |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MINIMUM | – | – | 0.50 | – | 2.60 | – | – | 4.30 | – | – | – | 0.10 | – |
| MAXIMUM | 0.25 | 0.35 | 1.00 | 0.10 | 3.70 | 0.10 | 0.05 | 5.20 | 0.15 | REST | – | 0.25 | 0.20 |

% w

## MECHANICAL FEATURES

| METALLURGICAL STATUS | Rp 0.2 (MPa) | Rm (MPa) | A50 (%) | Hardness HB |
|---|---|---|---|---|
| T-652 | 470 | 530 | 8 | 160-180 |