

Can the mold be crushed by too much pressure?

*Compressive strength for 2PX RR tray mold

- **Unit stress = load/area**
- **Projection area of mold = $46 \times 74 = 3404 \text{ in}^2$**
- **Projection area of part = 955 in^2**
- **Contact area = $3404 - 955 = 2449 \text{ in}^2$**
- **Stress (2500 ton press) = $5,000,000 / 2449 = 2,041.65 \text{ psi}$**
- **Tensile strength of 7050 alloy**



Clamping Stress is only 2.6 % of the AL Alloy Tensile Strength