

## Enclosures

### Materials:

#### Plastics:

- ABS
- ABS PC
- Acrylic
- EPDM
- Nylon
- PA
- PA66
- PBT
- PC
- PS
- PE
- PET
- POM
- PP
- PPS
- PVC
- PC + ASA
- PVB, add glass fibers for strengthen applications.

#### Miscellaneous:

- Glass
- Tempered Glass
- Rubber
- EVA
- Wood



#### Metals:

- Carbon Steel,
- Stainless Steel (SUS201,304,316),
- Cold Rolled Steel,
- Alloy Steel, e.g. 4140, Q235, Q345B, 20#, 45# etc.
- Ductile Iron,
- Grey Cast Iron,
- Malleable Cast Iron, AL & AL Alloy: 1060, 1100, 2064, 5052, 6061, 6063, 7050-T
- Copper Alloy
- Aluminum Bronze, Brass, Copper. Zinc Alloy, Titanium Alloy, Magnesium Alloy, Nickel.

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### Treatments:

#### Mechanical Treatments:

- Sand Blasting
- Grinding
- Polishing
- Knurling
- Brushing

#### Chemical Treatments:

- Coating
- Painting
- Powder coating
- Electrophoresis
- Vacuum plating

#### Electrochemical Treatments:

- Zinc plating
- Chrome plating
- Nickel plating
- Anodic oxidation

#### Other Treatments:

- CVD
- PVD
- Laser etching



#### Molds:

- Overmolding
- Multiple material molding
- Stamping mold
- Injection mold
- Die cast mold

#### General roughness:

- $\leq 0.8 \text{ Ra}$