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Product: Hokotol

Distributor: Clinton Aluminum & Stainless Steel

Contact: Website: www.clintonaluminum.com 800-826-3370

Size range: 2" thick to 10" thick

Applications include injection and blow forming molds; bolsters and force plates; high strength/low weight machine parts; and mechanical components with elevated mechanical properties

Characteristics – Hokotol:

- A. Hardness 150- 180 HB
- B. BTU's 85 to 100
- C. Yield strength – 70 to 83 ksi
- D. Good Polishability
- E. Good machinability

Benefits of Aluminum Injection Molds:

1. Faster turnaround time versus p-20 steel mold.
Case study has proven a time savings of 1 to 4 weeks.
2. Plastic parts are removed at lower temperature, less distortion higher quality.
Case study parts removed from aluminum mold at 87 degree versus P-20 110 degree.
3. Investment savings through machining efficiencies versus P-20.
Case studies proven a 6% to 12% cost savings aluminum over P-20.
4. Process savings through improved thermal conductivity. (cycle time)
Case studies proven 15% to 30% faster cycle time.
5. Different grades of aluminum can be applied based on Program volume.
Major Automotive Mfg suggests – over 1,000, 000 parts on Hokotol.

It is important to understand the expectations of your finished part when designing an aluminum mold. Please consult.