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.