

Alloy Data: Aluminum Die Casting Alloy Characteristics

	Aluminum Die Casting Alloys			
Commercial:	360	380	383	13
ANSI/AA:	360.0	380.0	383.0	413.0
Characteristics (1=most desirable, 5=least desirable)				
Resistance to Hot Cracking	1	2	1	1
Pressure Tightness	2	2	2	1
Die-Filling Capacity	3	2	1	1
Anti-Soldering to the Die	2	1	2	1
Corrosion Resistance	2	4	3	2
Machining Ease & Quality	3	3	2	4
Polishing Ease & Quality	3	3	3	5
Electroplating Ease & Quality	2	1	1	3
Anodizing (Appearance)	3	3	3	5
Chemical Oxide Protective Coating	3	4	4	3
Strength at Elevated Temp.	1	3	2	3

Source: "Alloy Data." NADCA Product Specification Standards for Die Casting. Wheeling, IL. NADCA Publication #402. 7th Edition. 2009.
Section 3. Table A-3-3 Die Casting and Other Characteristics: Al Alloys.