Dissolvable Frac Balls

Multiple high-strength aluminum alloy formulations for a wide range of applications

Reliable pressure holding performance

Parker's dissolvable aluminum alloy frac balls exhibit high shear and compressive strength and excel in tight overlap, high stage count, sliding sleeve and plug-and-perf systems where predictable corrosion rates and reliable pressure holding performance is essential.

Our dissolvable aluminum-based alloys can be used in applications where pressures exceeding 10,000 psi on a 1.8% overlap are required.

From low temp fresh water to hot wells in high salinity produced fluids, Parker has an alloy to meet your toughest requirements.

Contact Information:

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Product Features:

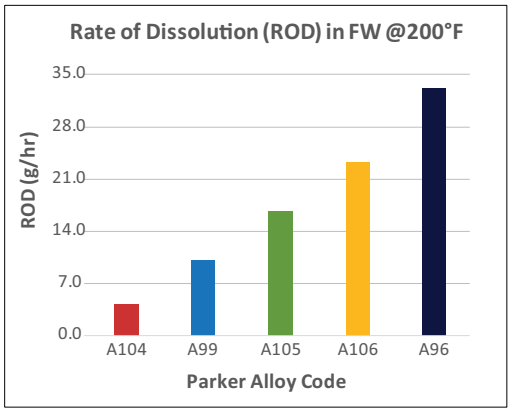
- Multiple alloy formulations for low temperature, fresh water, and high-salinity fluids
- Reliable, controlled dissolution in common wellbore fluids of variable chemistries
- Common sizes and custom size capability
- Strong engineering support, lab testing, and online rate of dissolution (ROD) calculators to assist in product selection

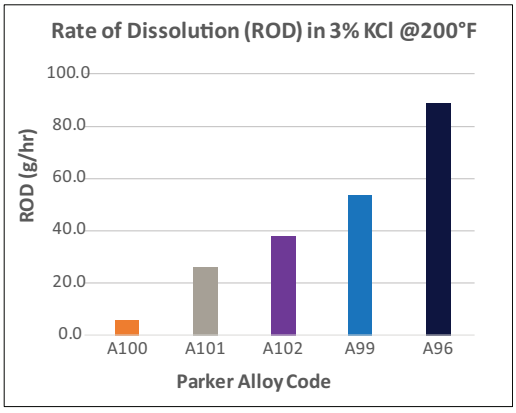
ENGINEERING YOUR SUCCESS.

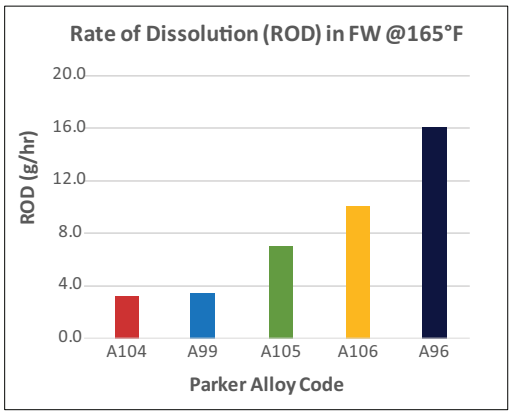
Wide Range of Solutions

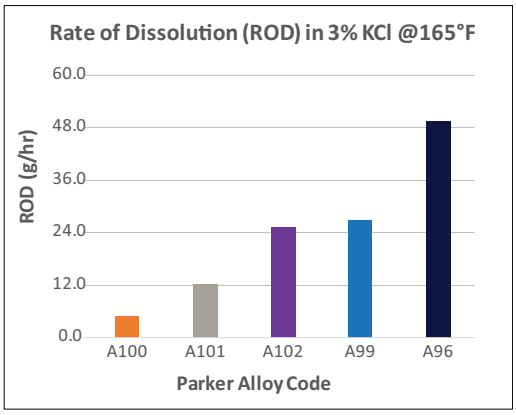
Parker offers a full suite of high-strength dissolvable metal alloys formulated for controlled dissolution in fresh, salt, acid, or produced water applications.

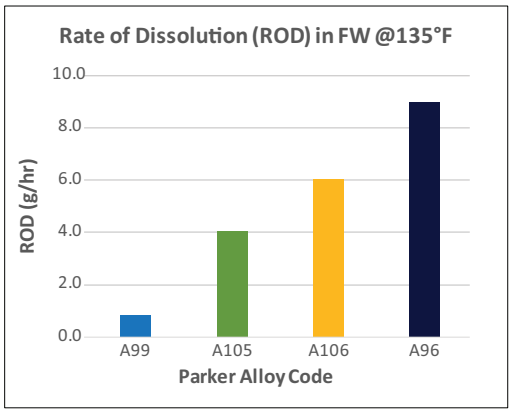
Rate of Dissolution Tables for Parker Dissolvable Alloys

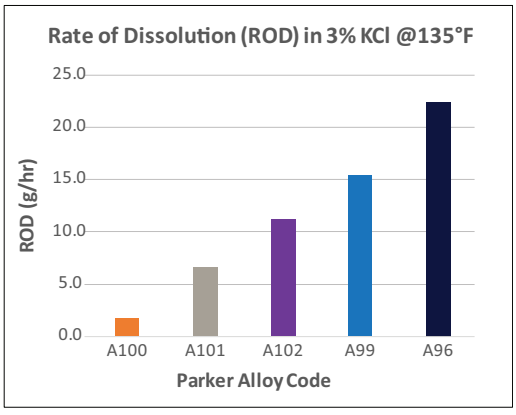












Note — All testing performed on Ø3" x 0.38" Discs

Innovative Material Development
The hydraulic fracturing industry requires constant innovation to keep pace with ever changing well environments. At Parker's in-house material science labs, our research and design teams have active development programs underway to meet these challenges with solutions that include:

- Delay coatings for high acidity fluids
- Faster dissolution rates for low temp fresh water

Selection and Recommendations
Parker's knowledgeable sales and engineering team can help select the best dissolvable alloy to optimize performance for your specific application.†

Learn more about Parker dissolvable material technology by clicking the button below. There you will find additional information and a link to access our dissolution calculator for estimating dissolution rates of Parker's dissolvable metal alloys .

DISSOLVABLE MATERIALS TECHNOLOGY