

Dizzolv Solid Dissolvable Balls

The Dizzolv Solid Dissolvable Ball is designed to reduce the amount of time large diameter balls take to dissolve after completion of a wide variety of downhole operations.

The Dizzolv Solid Ball delivers solid performance and corrodes away quickly without using high corrosion rate materials.



Product range

- 0.750" to 5.500" OD machined balls
 - Lifetime 3 – 5 days*
 - Equivalent specific gravity of 1.83
- * Tested in 3% KCl, 200°F, atmospheric pressure

Specifications

- Raw materials tested to int'l specifications
- Corrosion rate according to agreed testing protocol
- Manufactured to aerospace quality standards

Mechanical properties

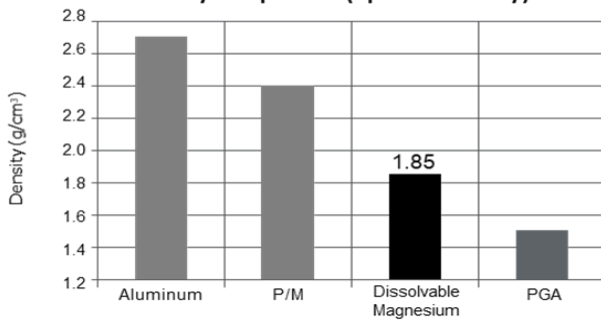
Typical Tensile Properties	Diameter	
	≤4"	>4"
Tensile yield strength (ksi/MPa)	31/210	29/200
Ultimate tensile strength (ksi/MPa)	46/315	45/310
Elongation (%)	19	19
Compressive yield strength (ksi/MPa)	32.5/224	

Raw material corrosion properties (typical):

200 °F: 900 - 1300 mg/cm²/day (MCD)
 100 °F: 200 - 400 mg/cm²/day (MCD)

Magnesium Alloy

Materials density comparison (Specific Gravity)



Dissolvable Magnesium weight loss

