



SoluMag Hollow Ball™

Luxfer MEL Technologies SoluMag Hollow Ball™

Luxfer MEL Technologies is the world leader in the development and supply of highly functional magnesium alloys.

The SoluMag Hollow Ball is designed to reduce the amount of time large diameter balls take to dissolve after completion of frac operations, allowing the well to be brought on production sooner.

Designed and tested to a 7,000 psi differential pressure rating, the Hollow Ball delivers a solid frac at each stage and corrodes away quickly without using high corrosion rate materials.

Product range

- 3.50" to 4.25" OD machined hollow balls
- Differential pressure rating of 7,000 psi, 4.25" ball on 4.07" seat
- Lifetime 3 days[†] compared to 8 days for a solid ball
- Equivalent specific gravity of 1.5 compared to 1.83 for solid balls

† 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

SoluMag tensile properties (typical):	
Tensile Yield Strength (ksi/Mpa)	26/180
Ultimate Tensile Strength (ksi/Mpa)	42/290
Elongation (%)	15

Raw material corrosion properties (typical):	
Corr. Rate in 3% KCl, 200 ° F (MCD)	1100

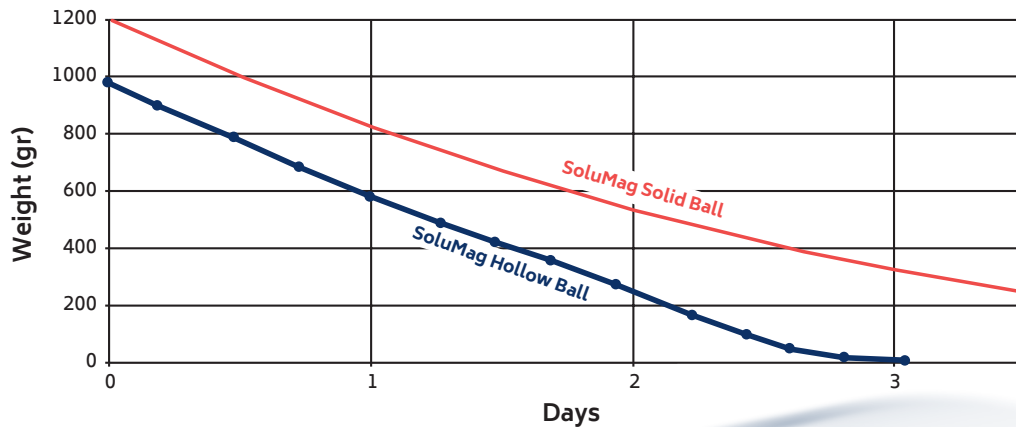


Figure 1. Lifetime Testing - 3% KCl, 200 ° F.

Discover more at
www.luxfermeltechnologies.com



† The information contained within is meant as a guideline only

SoluMag®, UK Patent No 2529062B. July 2015.

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