



TERVES
ENGINEERED RESPONSE

DATASHEET
TervAlloy TAX-50E™

TervAlloy™

PRODUCT DESCRIPTION: DISSOLVABLE ALLOY

TervAlloy TAX-50E™ is a slower dissolving form of our market-leading TAX-100E high strength dissolvable magnesium designed for oil and gas applications. TervAlloy TAX-50E will dissolve in potassium chloride and sodium chloride solutions, and is available in frac ball configurations, in extruded tubulars and solids, or machined-to-print in shapes up to 5 inches in diameter. Our patent-pending TervAlloy can also be provided with various Response Coatings™ applied to modify or extend particular dissolution rates.



Dissolution rates in common mediums for Tax-50E (mg/cm ² •hr)	
Temp (°C)	3% KCl
90	15

Mechanical data ¹	9:1 Extrusion Ratio
Ultimate tensile strength (ksi)	37
Yield strength (ksi)	27
Elongation ¹ (%)	3

Physical data	
Density	1.85 g/cm ³

¹ based on 3.25 in. OD x 1.25 in ID tubular

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