TERVES
ENGINEERED RESPONSE

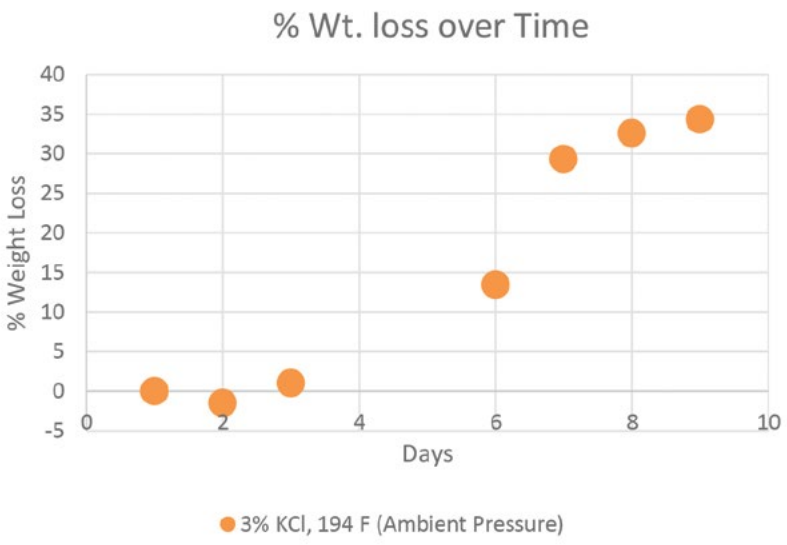
DATASHEET
Elementum™ DE80

PRODUCT DESCRIPTION:
ELEMENTUM DE80 HT DISSOVABLE ELASTOMER

Elementum™ DE80 is a patent-pending a high performance dissolvable elastomer designed for downhole tool component applications. This high temperature (150°F - 220°F) elastomeric product exhibits dramatic weight loss after exposure to brine solution. Elementum DE80 can be molded and designed to any size requirements. Available slug sizes: 4.7"OD X 2.1" ID X 4" Long and 4.4" OD X 3" ID X 3" Long

Physical Properties: Elementum DE80 has a Shore A Durometer Hardness of 92 (ASTM D2240)

Mechanical Properties	
Tear Strength at 73°F	60.76 kN/mm
Tensile Strength @ Break, 73°F	1914 psi
Tensile Elongation@ Break, 73°F	52%
Compression Set, 73°F at 22 hours	70%
Tensile Strength @Break, 194°F	540 psi
Tensile Elongation @Break, 194°F	50 %



Available in slugs and machined part to any dimension required

DISCLAIMER: The information provided in this document is intended to assist manufacturers and specifiers in the selection and use of Terves' products. All data noted should be understood to be average and expected performance, and is provided to serve as a general guideline only. This information **does not represent and is not to serve as minimum specification standards.** For further information contact Terves directly. All Terves commercially available products have patents or patents pending in the United States and in a variety of countries. For the latest patent information on this specific product contact Terves directly.

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