

Chip Identification Sheet

Standard Library

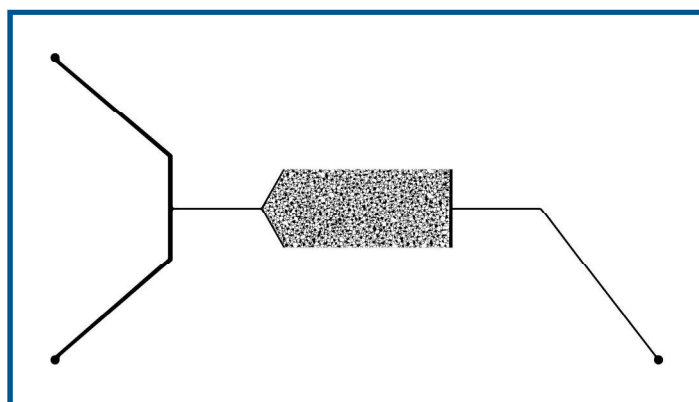


Regain S100 Chip

Regain Conductivity 20/40 Mesh. Heterogeneous Porous Media Chip with 36% Porosity, 13.3 μm Depth, and 1.5 D Permeability

The Regain S100 Chip, used with our Regain Conductivity test procedure, replicates the 20/40 mesh Proppant Pack test to help compare friction reducers and identify top performers.

This chip includes a heterogeneous porous media with 36% porosity and 1.5 D permeability (calculated), along with 2 inlet channels and 1 outlet channel.



Chip Profile	
Dimensions	38 x 21 x 2.75 mm
Components	Silicon Base 1.00 mm
	Glass 1.75 mm
Supports	
Chip Holder	Screw Top
	Liquid Confined
Ports	3
Channels	
Inlet Channels	250 μm wide
	50-70 μm deep
Outlet Channel	100 μm wide
	13.3 μm deep

Porous Media	
Pore Throats	10-20 μm wide
	13.3 μm deep
Porosity	36%
Volume	200 nL
Permeability	1.5 D calculated

Fluid Analysis Applications

Regain Conductivity
Carbon Dioxide Storage
Hydrogen Storage
Wax Appearance Temperature

Wax Inhibition
Scale Inhibition
Asphaltene Inhibition

SKU 300060