

Technical Data Sheet

kRT Voyager™ Proppants

Description



Hexion kRT Voyager™ proppants are a curable resin coated sand available in 40/70 and 100 mesh sizes. kRT Voyager proppants are an in-basin resin coated sand that controls proppant flowback in reservoirs down to 110°F and enhances conductivity.

Typical Applications

Fracture treatments:

- At closure stress up to: 12,000 psi [83 MPa]
- At bottom-hole static temperatures* from: 110 – 450°F [43 – 232°C]

Technical Advantages and Benefits

- Enhanced conductivity
- Proppant flowback control
- Proppant fines reduction
- Cyclic stress resistance
- Minimizes proppant embedment
- Reduces respirable silica dust exposure below PEL limits

Typical Properties

Property	Value	Unit
Solubility In Oil	0.0	weight %
Specific gravity	2.60 - 2.59	
Specific Volume	0.385[0.046] - 0.386[0.046]	cm³/g [gal/lb]
Pipe Fill Factor	0.758[0.091] - 0.763[0.091]	cm³/g [gal/lb]
Physical State	solid granule	
Composition	resin coated, Permian Basin frac sand	
Color	grayish to pinkish*	
Bulk Density	1.32[11.02] - 1.31[10.93]	g/cm³ [lb/gal]
Solubility in Water, Brine & HCl	0.0	weight %
Resin Type	thermosetting, curable	
Solubility in HCl/HF acid, API RP 19C	≤ 0.3	weight %
Mesh Size	40/70 - 100	