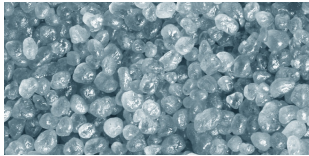


Technical Data Sheet

kRT 100[™] Proppants

Description



Hexion's kRT 100[™] proppant is an economical, curable resin coated sand available in 100 mesh. The resin coating supports the intended use of 100 mesh within the fracture network, but now provides all the traditional benefits of a resin coated sand such as proppant flowback control and fewer proppant fines.

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]
- Where smaller mesh size curable resin coated proppants are desired

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

kRT 100[™] Proppants

<https://www.hexion.com/en-US/product/krt-100-proppant>

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| Property | Value | Unit |
|---------------------------------------|--|--------------------------------|
| Specific Volume | 0.383 [0.0459] | cm ³ /g [gal/lb] |
| Bulk Density | 1.42 [11.9] | g/cm ³ [lb/gal] |
| Color | tannish to grayish | |
| Compatibility | Fully compatible with most commonly used fracturing fluids, both water and oil-based systems. Testing with fluids prior to pumping is advised. | |
| Composition | resin coated, northern white frac sand | |
| Mesh Size | 100 | |
| Particle Size Distribution | meets or exceeds API RP 19C | |
| Physical State | solid granule | |
| Pipe Fill Factor | 0.704 [0.0840] | cm ³ /g [gal/lb] |
| Resin Type | thermosetting, curable | |
| Solubility in Water, Brine & HCl | 0.0 | weight % |
| Solubility in HCl/HF acid, API RP 19C | < 0.1 | weight % |
| Solubility In Oil | 0.0 | weight % |
| Specific gravity | 2.61 | |
| Turbidity | < 250 | NTU (FTU) |

Technical Considerations

- Grain-to-grain contact must occur and closure stress must be applied during the cure period for proper bonding

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