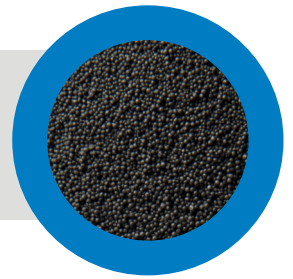


TECHNICAL DATA SHEET PROPPANTS TECHNICAL DATA



| Properties | Sieves | UHSP | | | |
|---|--------------------------------|------------|-------|-------|-------|
| | | 16/30 | 20/40 | 30/50 | 40/80 |
| | | % Retained | | | |
| Sieve Analysis | # 16 | 2 | | | |
| | # 18 | 63 | | | |
| | # 20 | 18 | 6 | | |
| | # 25 | 8 | 31 | | |
| | # 30 | 8 | 54 | 5 | |
| | # 35 | | 9 | 44 | |
| | # 40 | 1 | | 39 | 1 |
| | # 50 | | | 11 | 52 |
| | # 60 | | | | 24 |
| | # 70 | | | 1 | 11 |
| | # 80 | | | | 9 |
| | # 120 | | | | 3 |
| | Fines | | 0 | 0 | 0 |
| Mean Diameter | mm | 0.949 | 0.706 | 0.471 | 0.307 |
| Sphericity & Roundness | - | 0.9 x 0.9 | | | |
| Bulk Density | g/cm ³ | 2.02 | | | |
| | lb/ft ³ | 126 | | | |
| Apparent Density | g/cm ³ | 3.66 | | | |
| Absolute Density | g/cm ³ | 3.69 | | | |
| Turbidity | FTU | 100 | | | |
| Acid Solubility | % | 5.3 | | | |
| Crush Resistance Stress psi, % fines | 12,500 | 3.1 | 1.0 | 1.2 | 0.9 |
| | 15,000 | 5.1 | 2.0 | 1.9 | 1.3 |
| | 20,000 | | 6.5 | 5.6 | 4.3 |
| Chemical Composition, % | Al ₂ O ₃ | 77.2 | | | |
| | Fe ₂ O ₃ | 12.6 | | | |
| | SiO ₂ | 5.6 | | | |
| | TiO ₂ | 1.5 | | | |
| | Other | 3.1 | | | |

Typical data measured in accordance with ISO 13503-2 and 13503-5

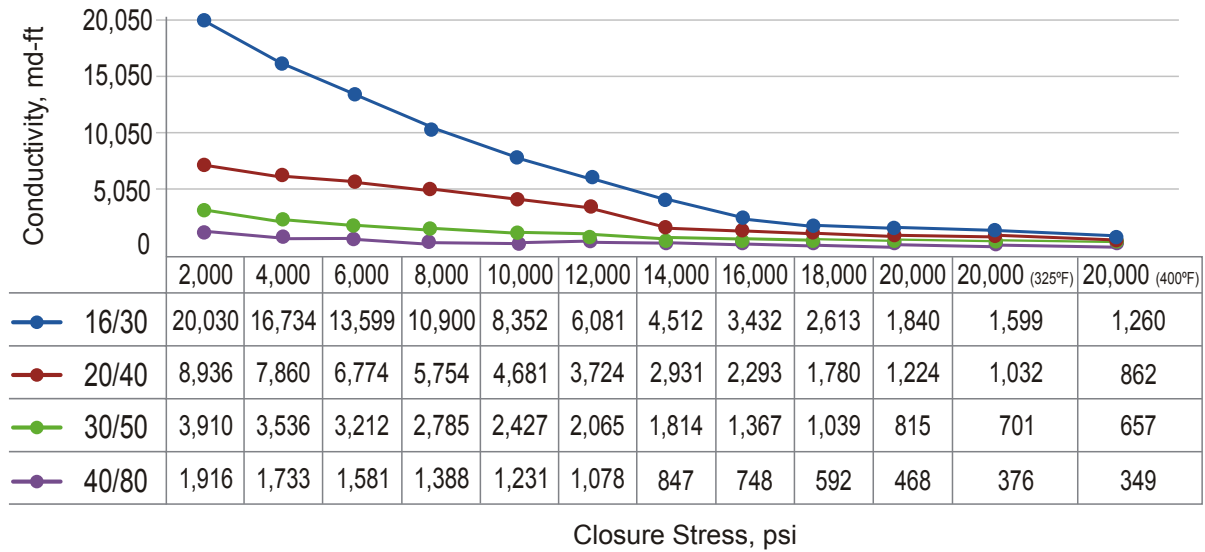


TECHNICAL DATA SHEET PROPPANTS TECHNICAL DATA



SinterMax Bauxite - Conductivity

md-ft - 2% KCl - 2lb/ft² @250°F



SinterMax Bauxite - Permeability

darcies, 2% KCl - 2lb/ft² @250°F

