

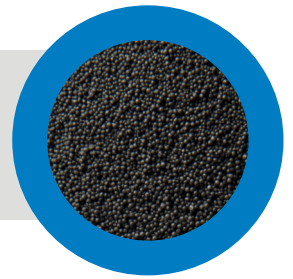
HOJA TÉCNICA

PROPPANTS TECHNICAL DATA



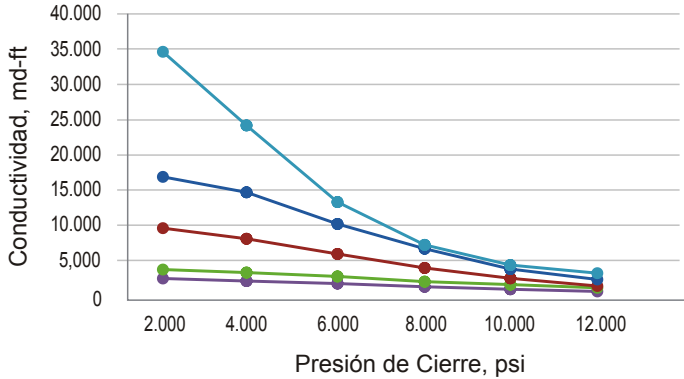
| Propiedades | Granos | ISP | | | | |
|-----------------------------------|--------------------------------|------------|-------|-----------|-------|-------|
| | | 12/18 | 16/30 | 20/40 | 30/60 | 40/80 |
| | | % Retenido | | | | |
| Análisis de Malla | # 12 | 4 | | | | |
| | # 14 | 47 | | | | |
| | # 16 | 46 | 2 | | | |
| | # 18 | 3 | 23 | | | |
| | # 20 | | 57 | 4 | | |
| | # 25 | | 15 | 38 | | |
| | # 30 | | 3 | 44 | 5 | |
| | # 35 | | | 14 | | |
| | # 40 | | | | 52 | 4 |
| | # 50 | | | | 36 | 56 |
| | # 60 | | | | 4 | 22 |
| | # 70 | | | | 2 | 13 |
| | # 80 | | | | | 5 |
| | # 100 | | | | 1 | |
| | Finos | | 0 | 0 | 0 | 0 |
| Diámetro Medio | mm | 1,430 | 0,943 | 0,702 | 0,450 | 0,324 |
| Esfereicidad & Redondez | - | | | 0,9 x 0,9 | | |
| Densidad Bulk | g/cm³ | | | 1,82 | | |
| | lb/ft³ | | | 114 | | |
| Densidad Aparente | g/cm³ | | | 3,33 | | |
| Densidad Absoluta | g/cm³ | | | 3,47 | | |
| Turbiedad | FTU | | | 62 | | |
| Solubilidad en Ácido | % | | | 5,9 | | |
| Presión de Cierre psi, % finos | 7.500 | 15,3 | 4,1 | 1,6 | 2,0 | 1,0 |
| | 10.000 | | 8,8 | 4,0 | 4,2 | 2,5 |
| | 12.500 | | | 7,6 | 8,6 | 4,8 |
| Análisis Químico, % | Al ₂ O ₃ | | | 71,0 | | |
| | Fe ₂ O ₃ | | | 13,0 | | |
| | SiO ₂ | | | 12,5 | | |
| | TiO ₂ | | | 1,8 | | |
| | Otros | | | 1,7 | | |

Datos técnicos se determinan de acuerdo con la Norma ISO 13503-2 y 13503-5



HOJA TÉCNICA

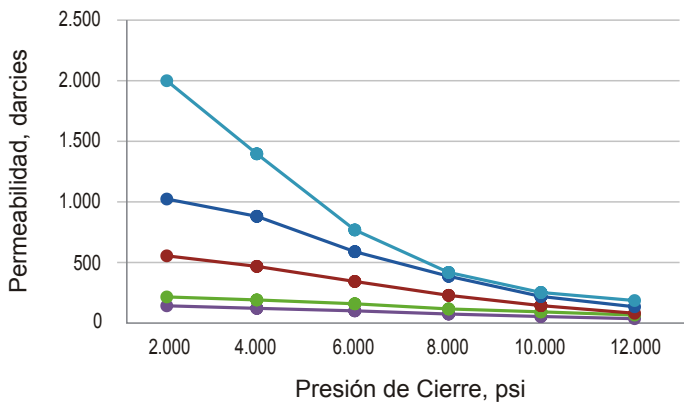
PROPPANTS TECHNICAL DATA



SinterLite Bauxite - Conductividad

md-ft - 2% KCl - 2lb/ft² @250° F

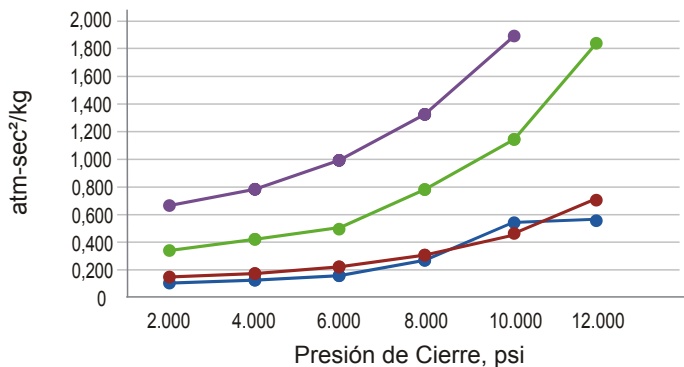
| | 2.000 | 4.000 | 6.000 | 8.000 | 10.000 | 12.000 |
|-------|--------|--------|--------|-------|--------|--------|
| 12/18 | 34.018 | 23.124 | 12.888 | 6.941 | 3.994 | 2.847 |
| 16/30 | 16.509 | 14.124 | 9.834 | 6.439 | 3.488 | 2.033 |
| 20/40 | 9.249 | 7.526 | 5.515 | 3.643 | 2.061 | 1.100 |
| 30/60 | 3.308 | 2.759 | 2.299 | 1.753 | 1.252 | 773 |
| 40/80 | 2.044 | 1.644 | 1.274 | 904 | 576 | 343 |



SinterLite Bauxite - Permeabilidad

darcies - 2% KCl - 2lb/ft² @250° F

| | 2.000 | 4.000 | 6.000 | 8.000 | 10.000 | 12.000 |
|-------|-------|-------|-------|-------|--------|--------|
| 12/18 | 2.013 | 1.447 | 847 | 474 | 283 | 209 |
| 16/30 | 1.012 | 893 | 643 | 436 | 244 | 147 |
| 20/40 | 563 | 472 | 355 | 243 | 142 | 78.0 |
| 30/60 | 205 | 175 | 150 | 117 | 85.8 | 54.2 |
| 40/80 | 124 | 102 | 80.7 | 58.5 | 38.1 | 23.2 |



SinterLite Bauxite - Beta Factor

atm-sec²/kg - 2lb/ft² @250° F

| | 2.000 | 4.000 | 6.000 | 8.000 | 10.000 | 12.000 |
|-------|-------|-------|-------|-------|--------|--------|
| 16/30 | 0,093 | 0,113 | 0,144 | 0,259 | 0,550 | 0,575 |
| 20/40 | 0,136 | 0,161 | 0,213 | 0,301 | 0,473 | 0,713 |
| 30/60 | 0,330 | 0,410 | 0,520 | 0,780 | 1,130 | 1,850 |
| 40/80 | 0,660 | 0,781 | 0,994 | 1,337 | 1,892 | - |