



**Joint-Stock Company  
Borovichi Refractories  
(Proppant) Plant**

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## ***BORPROP<sup>®</sup> RCP R2***

### *Technical Data Sheet*

Super strength proppant

### *Borprop 20/40 RCP R2*

#### *Physical Properties*

|                      |      |       |       |       |
|----------------------|------|-------|-------|-------|
| Closure Stress (psi) | 7500 | 10000 | 12500 | 15000 |
| CRUSH RESISTANCE     | 0.9% | 1.9%  | 3.2%  | 4.7%  |

|                              |       |
|------------------------------|-------|
| UCS, psi (24 hrs. at 121°C)  | 1484  |
| Curable resin, %             | 82    |
| Bulk Density, g/ccm:         | 1.64  |
| Specific Gravity, g/ccm:     | 2.91  |
| Sphericity:                  | 0.9   |
| Roundness:                   | 0.8   |
| Sieve Analysis (90% 16/20)   | 99.8  |
| Mean Size, mm:               | 0.689 |
| Acid Solubility, % (by ISO): | 2.2   |
| Turbidity, FTU:              | 107   |

### *Borprop 20/40 RCP R2*

#### *Long-Term Conductivity and Permeability*

|                      |      |      |      |      |       |       |
|----------------------|------|------|------|------|-------|-------|
| Closure Stress (psi) | 2000 | 4000 | 6000 | 8000 | 10000 | 12000 |
| Conductivity, Md-Ft  | 3995 | 3593 | 3137 | 2503 | 1986  | 1369  |
| Permeability, Darcy  | 219  | 199  | 178  | 144  | 117   | 82.1  |

26<sup>th</sup> June 2015  
Data from FracTech Laboratories