



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

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BORPROP[®] RCP R2

Technical Data Sheet

Resin-coated Ceramic proppant

Borprop 16/20 RCP R2

Physical Properties

Closure Stress (psi)	7500	10000	12500	15000
CRUSH RESISTANCE	4.2%	8.3%	12.5%	16.7%

UCS, psi (24 hrs. at 121°C)	1690
Curable resin, %:	81
Loss of Ignition, %:	4.26
Bulk Density, g/ccm:	1.69
Specific Gravity, g/ccm:	2.90
Sphericity:	0.9
Roundness:	0.9
Sieve analysis (90% 12/18)	99.1
Mean Size, mm:	1.053
Acid Solubility, % (by ISO):	1.4
Turbidity, FTU:	70

Long-Term Conductivity and Permeability

Closure Stress (psi)	2000	4000	6000	8000	10000	12000
Conductivity, Md-Ft	14838	13195	11484	8748	5371	3185
Permeability, Darcy	834	756	674	524	332	205

31st May 2013
Data from FracTech Laboratories