



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

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BORPROP[®]

Technical Data Sheet

Ceramic proppant

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Physical Properties

Closure Stress (psi)	7500	10000	12500	15000
CRUSH RESISTANCE	6.4%	9.1%	12.4%	16.4%

	-12 +16	-16 +18	-18 +20	-20 +25	-25 +30	-30 +40
SIEVE DISTRIBUTION	0.8%	70.7%	25.4%	3.1%	0.1%	0.0%

Bulk Density, g/ccm:	1.74
Specific Gravity, g/ccm:	3.14
Sphericity:	0.9
Roundness:	0.8
Mean Size, mm:	1.041
Acid Solubility, % (by ISO):	5.7
Turbidity, FTU:	29

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Long-Term Conductivity and Permeability

Closure Stress (psi)	2000	4000	6000	8000	10000	12000
Conductivity, Md-Ft	21345	13667	9314	5049	2943	1670
Permeability, Darcy	1246	835	589	332	202	119