

Comparative Strength Data Superior by Nature, Quality by Badger *

AFS grain fineness number (GFN) and grain shape alone are not sufficient for measuring sand quality. Wet and dry processing techniques and superior process control play significant roles in product performance. Compared to another commercially available round grain 60 GFN silica sand, BadgerCast™ sands produce higher tensile and transverse strengths in a phenolic urethane cold box (PUCB) resin system.





Disc Comparison with 0.8% Resin







(psi)

rse



Disc Comparison with 1.3% Resin

Dog Bone with 0.8% Resin Dog Bone with 1.3% Resin Disc with 0.8% Resin Disc with 1.3% Resin Interval Other 60 Other 60 FW60 Other 60 **T60** FW60 Other 60 **T60** FW60 **T60** FW60 T60 148.7 12.3 253.7 198.6 139.8 56.1 10.3 7.0 256.2 31.2 32.5 18.9 Immediate 143.7 162.3 102.5 13.9 15.1 284.8 199.0 205.5 1 Hour 6.5 33.2 25.3 21.9 4.5 4 Hour 176.3 163.3 105.0 14.7 13.1 300.1 267.7 214.3 33.7 29.1 18.9 24 Hour 190.4 172.5 114.1 13.4 13.4 4.7 320.3 272.7 184.9 34.7 31.6 17.0 24 Hour Humidity 107.1 96.5 61.1 88 1.8 179.7 202.3 140.7 15.5 20.3 97

All chemical and physical properties are typical and tested in accordance with AFS Mold and Core Test Handbook in BMC's laboratories. We give no warranty for our products, either expressed or implied. We recommend that you confirm all properties in the laboratory of your choice.