

Build-It[®] F.R. Fiber Reinforced Core Material

Physical Properties:

Resin Matrix:	Mixture of Bis-GMA, UDMA and HDDMA
Filler type:	Mixture of BariumBorosilicate, Calcium Alumino-fluro-silicate, silica and chopped glass fiber.
Filler percentage by weight:	about 68%
Filler percentage by volume:	about 52%
Flexural strength (MPa):	120 (8)
Flexural Modulus (GPa):	9.2 (1.5)
Compressive strength (MPa):	280 (47)
Water sorption (mg/mm/wk):	12
Barcol hardness (3mm, top and bottom, 10 minutes after Setting):	>90
Working Time:	2 -2.5 minutes
Setting time:	3.5-4.0

