

TABLE 2

Comparison of Currently Available Flowable Composites*†

	Depth of Cure (mm)	Curing Time (secs)	Filler (by weight)	Filler (by volume)	Shrinkage (%)	Elastic Modulus (MPa)	Shrinkage Stress (MPa)	Fracture Toughness (MPa*m ^{1/2})
SureFil® SDR® flow DENTSPLY Caulk	4	20 universal (40 A1, A2, A3)	68%	45.1%	3.5	6335	1.6	4.63
Filtek™ Bulk Fill 3M ESPE	4	20 universal (40 A1, A2, A3)	64.5%	42.5%	3.1	4658	1.9	2.1
Venus® Bulk Fill Heraeus Kulzer	4	20-40	65%	38%	3.4	4080	2.0	2.1
x-tra base Voco	4	10 (universal) (20-40 A2)	75%	unknown	3.3	9330	2.9	unknown
SonicFil™ Kerr	5	20-40	83.5%	unknown	1.6	12,900	2.5	unknown
Filtek Supreme Ultra Flowable 3M ESPE	2	20-40	65%	46%	3.28	6816	3.13	1.67
Esthet-X® Flow DENTSPLY Caulk	2	20	77%	60%	4.5	5622	3.2	1.5

*Data from manufacturers' websites and instructions for use.

†Editor's Note: Specific test methods cause varying results.