

**els extra low shrinkage<sup>®</sup> composite**

**Technical Data**

Resin	BisGMA / ethoxylated Bisphenol-A-Dimethacrylate-( $< 25\%$ )
Mineral filler content	BaAlBSi, silanized, $\varnothing 0,7\ \mu\text{m}$ , max. $2,6\ \mu\text{m}$ ( $< 75\%$ )
Operation light resistance	$> 7$ min at 11000 lux
Depth of cure	$> 1.5$ mm in 20 s
Flexural strength	$> 100$ MPa
Flexural modulus	9.0 GPa
Water sorption	0.21 % (24 h) / 0.60 % (7 d)
Dissolution	0.03 % (24 h) / 0.09 % (7 d)
Shades	matching VITA Shade Guide
Colour Stability	stable according to ISO
Radio-opacity	280% Aluminium
Vickers Hardness	$> 69$
Barcol Hardness	$> 70$
Polymerization shrinkage stress	2.6 MPa after 30 min
Volumetric shrinkage	1.5 vol% (60 s) / 2.3 vol% (30 min)



Consistency	highly viscous, homogeneous paste
Appearance after curing	homogeneous, smooth and shiny surfaces
Conformity with ISO 4049, DIN, ADA, BSI	fulfilled

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