

Product Specification

01/10/206

Product name	HeyTec Flow SE		
Type of material	Self adhesive flowable light cure composite		
Recommended medical device classification	Class IIa (93/42 EEC)		
Relevant Standards	DIN EN ISO 4049		
	Parameter	Typical Values	Requirements of ISO 4049
Typical composition	Resin based on multifunctional methacrylates, radioopaque glass filler pyrogenic silica, pigments		
	Total filler content (by weight)	58 %	
	Total filler content (by volume)	45 %	
	Specific gravity (20 °C; 68 °F)	1.64 g/cm ³	
Working properties	Recommended curing time (dental light cure unit)	20 sec lighter shades 30 sec darker shades	
	Working time (full operating light)	> 90 sec	> 60 sec
	Depth of cure (40 sec)	> 1,75 mm*	> 1,5 mm
Physical properties	Flexural strength	90 MPa	> 80 MPa
	Flexural modulus	4000 MPa	-
	Compressive strength	310 MPa	-
	Diametral tensile strength	40 MPa	-
	Water sorption	<20 µg/mm ³	< 40 µg/mm ³
	Water solubility	<5 µg/mm ³	< 7,5 µg/mm ³
	Colour stability	very good	ISO 7491
	Polishability	High gloss	-
	Barcol hardness	70	-
	Radiopacity	> 200 % Al	-
Adhesive strength to enamel	> 5 MPa	-	
Adhesive strength to dentine	> 5 MPa		
Storage		< 25 °C (78 °F)	
Shelf life		2 years	

* the measured value (height of the cylinder of cured material) divided by two, according to ISO 4049