

KEY PROPERTIES OF FLEXCERA™ BASE

Flexcera™ Base

Physical Properties		
Viscosity @ 30°C	535 cP	
Shore D	81	
Izod Notched Impact	29.6 J/m	
Total Work Fracture	3500 J/m ²	
Vickers Hardness	18 HV	
	Dry Material	After Immersion in Water 2 Days at 37°C
Young's Modulus	780 MPa	902 MPa
Ultimate Strength	37.4 MPa	45.8 MPa
Strain at Break	76%	58.5%
Ultimate Flexural Strength	90 MPa	81 MPa
Flexural Modulus	2380 MPa	2325 MPa



Physical Properties as Compared with Competitive Materials ¹				
Resin	E-Denture Pro	Lucitone 199 (Thermal Reference)	Lucitone HIPA	Lucitone Digital Carbon
Flexural Strength, MPa	90/81*	72	68	68
Flexural Modulus, MPa	2380/2325*	2100	2300	2250
Total Work Fracture, J/m ²	3667 J/m ²	1300	1350	1400
Strain at Break ³ , %	76/58.5*	N/A	N/A	5.8
*After Immersion in Water 2 Days 37°C				



1. Per published properties on company literature

2. All data provided is preliminary and must be verified by the individual user

3. Per experimental data