

KEY PROPERTIES OF FLEXCERA™ SMILE

Flexcera™ Smile

Physical Properties		
Viscosity @ 30°C	660 cP	
Shore D	89-90	
Izod Notched Impact	20 J/m	
Heat Deflection Temperature	58°C @ 1.82 MPa	
Vickers Hardness	18 HV	
	Dry Material	After Immersion in Water 2 Days at 37°C
Young's Modulus	1340 MPa	1330 MPa
Ultimate Strength	67.5 MPa	68.9 MPa
Strain at Break	16%	14%
Ultimate Flexural Strength	136 MPa	125 MPa
Flexural Modulus	3660 MPa	3300 MPa

Physical Properties as Compared with Competitive Materials ¹				
	Flexcera™ Smile	IPN 3D by Carbon3D	NextDent C&B MFH	Dentca Teeth for Carbon
Flexural Strength, MPa	136/125	125	107	>50
Flexural Modulus, MPa	3660/3300	N/A	N/A	N/A
Vickers Hardness, HV	18	N/A	23	33



1. Per published properties on company literature

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