

## TECHNICAL DATA SHEET

**Product Name:** Structo Denture Base Resin

**Product Code:** PN80001 V-01

**Specification:**

<b>Mechanical properties</b>	<b>Standards</b>	<b>Denture Base (Hard)</b>	<b>Denture Base (soft)</b>
<b>Tensile Strength (MPa)</b>	ASTM: D638	<b>45 - 50</b>	<b>2 - 4</b>
<b>Tensile Modulus (MPa)</b>		<b>300 - 400</b>	<b>190 – 200</b>
<b>Elongation (%)</b>		<b>40</b>	<b>80 -130</b>
<b>Hardness D</b>	ASTM: D2240	<b>80 - 85</b>	<b>45 A</b>
<b>Flexural strength (MPa)</b>	ASTM D790	<b>50 - 60</b>	<b>NA</b>
<b>Flexural Modulus (MPa)</b>	ASTM: D790	<b>1300 - 1500</b>	<b>205 - 250</b>
<b>Liquid Properties</b>			
<b>Viscosity (25°C) mPsec</b>	GB/T 4472	<b>500 - 650</b>	<b>600 -900</b>
<b>Density (g/cm<sup>3</sup>)</b>	GB/T 22235	<b>1.05- 1.2</b>	<b>1.06 -1.08</b>
<b>Color</b>	-	<b>Pink</b>	<b>Pink</b>

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Material properties may vary based on part geometry, print orientation, print settings and postcuring temperature used.