

## Figure 4 MED-WHT 10

### Biocompatible, High Temperature

A rigid white material for applications requiring biocompatibility and / or thermal resistance. It provides beautiful parts that can be sterilized and tested at temperatures over 100 deg C



### Applications

- General medical applications requiring biocompatibility, sterilization and/or thermal resistance
- Surgical drill guides, splints
- Bone models
- Parts requiring rigidity with high temperature and/or water resistance
- Parts with high definition details



### Physical Properties

Colour	White
Type	ABS

### Liquid Material

Solid Density (g/cm <sup>3</sup> )	1.18
Layer Thickness (mm)	0.05

### Mechanical Properties

		TEST/ISO
Tensile Strength, Ultimate (MPa)	<b>60</b>	ASTM D638
Tensile Strength, at Yield (MPa)	<b>60</b>	
Tensile Modulus (MPa)	<b>3090</b>	
Elongation at Break (%)	<b>3</b>	
Elongation at Yield (%)		
Flexural Strength (MPa)	<b>112</b>	ASTM D790
Flexural Modulus (MPa)	<b>3290</b>	
Notched Izod Impact Strength (J/m)	<b>17</b>	ASTM D256
Unnotched Izod Impact Strength (J/m)	<b>91</b>	ASTM D4812
Heat Deflection Temperature (°C)		ASTM D648
@ 0.45 MPa	<b>102</b>	
@ 1.82 MPa	<b>79</b>	
Co-efficient of Thermal Expansion (ppm/°C)		ASTM E831
<T <sub>g</sub>	<b>83</b>	
>T <sub>g</sub>	<b>154</b>	
Glass Transition (T <sub>g</sub> )	<b>102°C</b>	ASTM E1640
Shore Hardness	<b>84D</b>	ASTM D2240
Water Absorption (%)	<b>0.25</b>	ASTM D570

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