



stratasys



MATERIAL DATA SHEET
MEDICAL

DraftWhite (MED858)

The DraftWhite™ is a rigid white material, targeted for single-material medical applications such as orthopedics and craniomaxillofacial. The material can be combined with other transparent and Vivid colors allowing for a wide range of medical applications. DraftWhite's mechanical and thermal properties are summarized in the table below. As Stratasys continually strives to improve its products and adhere to the highest quality and regulatory standards, we are pleased to announce the new formulation of DraftWhite™ material, with similar mechanical performance as the previous version

Property	Standard / Procedure	Value	
Tensile Strength	D-638-03	40 – 55 MPa (5,800 – 8,000 psi)	
Elongation at Break	D-638-05	5 – 20%	
Modulus of Elasticity	D-638-04	2,200 – 3,000 MPa (320,000 – 435,000 psi)	
Flexural Strength	D-790-03	70 – 85 MPa (10,000 – 16,000 psi)	
Flexural Modulus	D-790-04	2,000 – 2,500 MPa (290,000 – 365,000 psi)	
HDT, °C @ 0.45MPa	D-648-06	45 – 50 °C (113 – 122 °F)	
HDT, °C @ 1.82MPa	D-648-07	45 – 50 °C (113 – 122 °F)	
Izod Notched Impact	D-256-06	20 – 30 J/m (0.375 – 0.562 ft-lb/inch)	
Water Absorption	D-570-98 24hr	1.1 – 1.5%	
Tg	DMA E	52 – 54 °C (126 – 129 °F)	
Shore Hardness (D)	Scale D	83 – 86 (Scale D)	
Polymerized Density	Scale M	1.17 – 1.18 g/cm³	
System Availability	Minimum Layer Thickness Capability	Support Material	Available Color
J5 MediJet™	18 microns (0.0007 in.)	SUP710™ (Waterjet removable) WSS150™ (Not compatible with Digital Anatomy Materials)	<input type="checkbox"/> White
J5 Digital Anatomy	18 microns (0.0007 in.)	SUP710 (Waterjet removable) WSS150 (Not compatible with Digital Anatomy Materials)	<input type="checkbox"/> White



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