

The
Design to
Manufacturing Co.



MATERIAL **DRAFT WHITE**

DATA SHEET

For more information or advice:  theD2Mco.com/contact-us

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DraftWhite (MED857)

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.

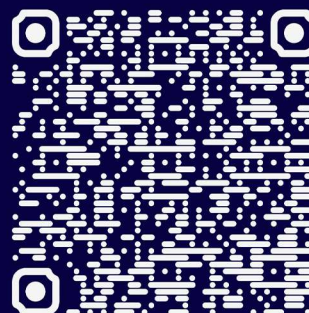
Property	Standard / Procedure	Value	
Tensile Strength	D-638-03	40 – 55 MPa (5,800 – 8,000 psi)	
Elongation at Break	D-638-05	5 – 20%	
Modulus of Elasticity	D-638-04	2,200 – 3,000 MPa (320,000 – 435,000 psi)	
Flexural Strength	D-790-03	70 – 85 MPa (10,000 – 16,000 psi)	
Flexural Modulus	D-790-04	2,000 – 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 Structure	Available Color
J5 MediJet™	18 microns (0.0007 in.)	SUP710™ (Waterjet removable)	□ White

Find the Perfect Material for Your Application

From strength and flexibility to biocompatibility and color, our experts help you select materials that meet your part performance and production goals - every time.

TALK TO AN EXPERT

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100%
Tailored
Advice