

# Prototype & Production Materials Application Comparison Chart\*

	THERMOPLASTICS										PHOTOPOLYMERS										
											VERO					TANGO					
	ABS	ABSi	ABS-M30	ABS-M30i	ABS-EDS7	PC	PC-ISO	PC/ABS	ULTEM	PPSF	Transparent Polyjet (FC720)	Clear (FC810)	DurusWhite	White (FC830)	Black (FC870)	Blue (FC840)	Gray	Plus (FC930)	Gray (FC950)	Black (FC970)	Digital Materials
<b>Available Colors</b>	<input type="checkbox"/> White <input type="checkbox"/> Blue <input type="checkbox"/> Yellow <input type="checkbox"/> Red <input type="checkbox"/> Steel Gray <input type="checkbox"/> Green <input type="checkbox"/> Black <input type="checkbox"/> Gray	<input type="checkbox"/> Semi-translucent Natural <input type="checkbox"/> Semi-translucent Red <input type="checkbox"/> Semi-translucent Amber	<input type="checkbox"/> White Natural (off-white) <input type="checkbox"/> Natural (off-white) <input type="checkbox"/> Black <input type="checkbox"/> Dark Gray <input type="checkbox"/> Blue <input type="checkbox"/> Red	<input type="checkbox"/> Natural (off-white)	<input type="checkbox"/> Black	<input type="checkbox"/> White	<input type="checkbox"/> White Translucent Natural	<input type="checkbox"/> Black <input type="checkbox"/> Tan	<input type="checkbox"/> Tan	<input type="checkbox"/> Semi-Clear	<input type="checkbox"/> Clear	<input type="checkbox"/> White	<input type="checkbox"/> White <input type="checkbox"/> Black <input type="checkbox"/> Blue <input type="checkbox"/> Gray	<input type="checkbox"/> White <input type="checkbox"/> Black <input type="checkbox"/> Blue <input type="checkbox"/> Gray	<input type="checkbox"/> Black <input type="checkbox"/> Blue <input type="checkbox"/> Gray	<input type="checkbox"/> Semi-translucent Natural	<input type="checkbox"/> Gray <input type="checkbox"/> Black	<input type="checkbox"/> Gray <input type="checkbox"/> Black	<input type="checkbox"/> Black		
<b>Concept Modeling</b>	•		•	•																	
<b>Form, Fit, Function</b>	•		•	•		•		•	•												
<b>Functional Testing</b>	•		•	•		•		•	•												
<b>Fine Feature Detail</b>	•	•	•	•			•			•	•	•	•	•	•	•	•				
<b>Smooth Surface Finish</b>			•	•						•	•	•	•	•	•	•	•				
<b>High Heat / Chemical Applications</b>								•	•												
<b>Digital Manufacturing</b>	•	•	•	•	•	•	•	•	•	•											
<b>Design Verification</b>	•		•	•	•																
<b>Medical Applications</b>				•			•														
<b>Semi-Transparency</b>		•					•			•											
<b>Flexible</b>																		•	•	•	•
<b>Maximum Build Dimensions<sup>3</sup></b>	23.6" x 19.7" x 23.6" (600 x 500 x 600 mm)			36" x 24" x 36" (914 x 610 x 914 mm)							19.7" x 15.7" x 7.9" (500 x 399 x 200 mm)					12" x 12" x 4" (305 x 605 x 102 mm)					

+ Actual surface resistance may range from 10<sup>6</sup> to 10<sup>8</sup> ohms, depending upon geometry, build style and finishing techniques.

\* The data presented above are typical values intended for reference and comparison purposes only. It should not be used for design specific cations or quality control purposes. End-use material performance can be impacted (+/-) by, but not limited to, part design, end-use conditions, test conditions, etc. Actual values will vary with build conditions. Product specifications are subject to change without notice. In the online world, potential color variances can occur between what's seen on screen and your prototyping / direct digital manufacturing project.

<sup>1</sup> Tensile strength data is based on ASTM standard D-638. <sup>2</sup> Tango Photopolymer tensile strength data is based on ASTM standard D-412. <sup>3</sup> Larger parts can be built in pieces and bonded together.

For more information call **866-882-6934** or visit [www.RedEyeOnDemand.com](http://www.RedEyeOnDemand.com)

**ISO 9001:2008 Certified**

©2011 Stratasys Inc. All rights reserved. Stratasys, RedEye, FDM, Fortus, Dimension, and uPrint are registered trademarks and Real Parts, Overnight Build, ReadyPart, and RedEye On Demand are trademarks of Stratasys Inc., registered in the United States and other countries. \*ULTEM 9085 is a trademark of SABIC Innovative Plastics IP BV. All other trademarks are the property of their respective owners. Product specifications subject to change without notice. Printed in the USA. RedEye-MS-ApplicationsComparisonChart-10-11

**Worldwide Headquarters**

**RedEye On Demand**

8081 Wallace Road  
Eden Prairie, MN 55344  
+1 866-882-6934 (US Toll Free)  
+1 952-906-2725 (Int'l)  
+1 952-906-2765 (Fax)  
[GoDigital@RedEyeOnDemand.com](mailto:GoDigital@RedEyeOnDemand.com)

**European Headquarters**

**Materialise**

Technologielaan 15  
3001 Leuven  
Belgium  
+32 16 39.67.60  
+32 16 39.62.75 (Fax)  
[GoDigitalEU@RedEyeOnDemand.com](mailto:GoDigitalEU@RedEyeOnDemand.com)

**Australasia Headquarters**

**RapidPro**

3/17 Diane Street  
Mornington, 3931  
Victoria, Australia  
+61 3 5976 3603 (Int'l)  
+61 3 5973 6001 (Fax)  
[enquiries@RedEyeOnDemand.com.au](mailto:enquiries@RedEyeOnDemand.com.au)