





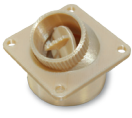



# FORTUS MATERIALS OVERVIEW

Material	Highlights
 <p><b>ABS-M30</b> (acrylonitrile butadiene styrene)</p>	<ul style="list-style-type: none"> <li>• Up to 70 percent stronger than standard Stratasys ABS material</li> <li>• Greater tensile, impact, and flexural strength than standard Stratasys ABS</li> <li>• Layer bonding is significantly stronger for a more durable part than standard Stratasys ABS</li> <li>• Versatile Material: Good for form, fit and functional applications</li> </ul>
 <p><b>ABS-M30i</b> (acrylonitrile butadiene styrene)</p>	<ul style="list-style-type: none"> <li>• Biocompatible (ISO 10993 USP Class VI)<sup>1</sup> material</li> <li>• Ideal material for medical, pharmaceutical and food packaging industries</li> <li>• Sterilizable using gamma radiation or ethylene oxide (EtO) sterilization methods</li> <li>• Best fit for applications requiring good strength and sterilization</li> </ul>
 <p><b>ABSi</b></p>	<ul style="list-style-type: none"> <li>• Translucent material</li> <li>• Ideal for automotive tail lens applications</li> <li>• Good blend of mechanical and aesthetic properties</li> <li>• Available in translucent natural, red and amber colors</li> </ul>
 <p><b>PC-ABS</b> (polycarbonate-acrylonitrile butadiene styrene)</p>	<ul style="list-style-type: none"> <li>• Most desirable properties of both PC and ABS materials</li> <li>• Superior mechanical properties and heat resistance of PC</li> <li>• Excellent feature definition and surface appeal of ABS</li> <li>• Highest impact strength</li> </ul>
 <p><b>PC</b> (polycarbonate)</p>	<ul style="list-style-type: none"> <li>• Most widely used industrial thermoplastic</li> <li>• Accurate, durable, and stable for strong parts</li> <li>• Superior mechanical properties and heat resistant</li> <li>• High tensile strength and can handle high temperatures</li> </ul>
 <p><b>PC-ISO</b></p>	<ul style="list-style-type: none"> <li>• Biocompatible (ISO 10993 USP Class VI)<sup>1</sup> material</li> <li>• Ideal material for medical, pharmaceutical and food packaging industries</li> <li>• Sterilizable using gamma radiation or ethylene oxide (EtO) sterilization methods</li> <li>• Best fit for applications requiring higher strength and sterilization</li> </ul>
 <p><b>ULTEM* 9085</b></p>	<ul style="list-style-type: none"> <li>• FST (flame, smoke, toxicity) certified thermoplastic</li> <li>• High heat and chemical resistant</li> <li>• Ideal for commercial transportation applications in airplanes, buses, trains, boats, etc.</li> <li>• Highest tensile and flexural strength</li> </ul>
 <p><b>PPSF/PPSU</b> (polyphenylsulfone)</p>	<ul style="list-style-type: none"> <li>• Highest heat and chemical resistance of all Fortus materials</li> <li>• Mechanically superior material, greatest strength</li> <li>• Sterilizable via steam autoclave, EtO, plasma, chemical, and radiation sterilization</li> <li>• Ideal for applications in caustic and high heat environments</li> </ul>

<sup>1</sup>It is the responsibility of the finished device manufacturer to determine the suitability of all the component parts and materials used in their finished products.

For more information about Fortus systems, materials and applications, call **888.480.3548** or visit [www.fortus.com](http://www.fortus.com)

Fortus 3D Production Systems  
Stratasys Incorporated  
7665 Commerce Way  
Eden Prairie, MN 55344  
+1 888 480 3548 (US Toll Free)  
+1 952 937 3000  
+1 952 937 0070 (Fax)  
[www.stratasys.com](http://www.stratasys.com)  
[info@stratasys.com](mailto:info@stratasys.com)

Fortus 3D Production Systems  
Stratasys GmbH  
Weismüllerstrasse 27  
60314 Frankfurt am Main  
Germany  
+49 69 420 994 30 (Tel)  
+49 69 420 994 333 (Fax)  
[www.stratasys.com](http://www.stratasys.com)  
[europe@stratasys.com](mailto:europe@stratasys.com)

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