

Standard Materials	System Availability			Layer Thickness				Support Structure	Available Colors	Tensile Strength <sup>3</sup>	Tensile Elongation <sup>3</sup>	Flexural Stress	Izod Impact Notched	Heat Deflection	Unique Properties
				0.013 in 0.330 mm	0.010 in 0.254 mm	0.007 in 0.178 mm	0.005 in 0.127 mm								
ABSi	Fortus 400 mc			●	●	●	●	Soluble	Tr. Natural, Tr. Red, Tr. Amber	5,400 psi (37 MPa)	4.4 %	8,980 psi (62 MPa)	1.8 ft-lb/in (96 J/m)	188°F (87°C)	Translucent material
ABS-M30	Fortus 360 mc	Fortus 400 mc	Fortus 900 mc	●	●	●	● <sup>1</sup>	Soluble	Ivory, White, Black Dark grey, Red, Blue	5,200 psi (36 MPa)	4.0 %	8,800 psi (61 MPa)	2.6 ft-lb/in (139 J/m)	204°F (96°C)	Variety of color options
ABS-M30i	Fortus 400 mc	Fortus 900 mc <sup>2</sup>		●	●	●	● <sup>1</sup>	Soluble	Ivory	5,200 psi (36 MPa)	4.0 %	8,800 psi (61 MPa)	2.6 ft-lb/in (139 J/m)	204°F (96°C)	ISO 10993 certified
PC-ABS	Fortus 360 mc	Fortus 400 mc	Fortus 900 mc <sup>2</sup>	●	●	●	● <sup>1</sup>	Soluble	Black	5,900 psi (41 MPa)	6.0 %	9,800 psi (68 MPa)	3.7 ft-lb/in (196 J/m)	230°F (110°C)	Highest impact resistance
PC-ISO	Fortus 400 mc	Fortus 900 mc <sup>2</sup>		●	●	●		Bass	White, Translucent Natural	8,265 psi (57 MPa)	4.3 %	13,089 psi (90 MPa)	1.6 ft-lb/in (86 J/m)	271°F (133°C)	ISO 10993 certified
PC	Fortus 360 mc	Fortus 400 mc	Fortus 900 mc	●	●	●		Bass	White	9,800 psi (68 MPa)	4.8 %	15,100 psi (104 MPa)	1.0 ft-lb/in (53 J/m)	280°F (138°C)	Highest tensile strength
ULTEM 9085	Fortus 400 mc	Fortus 900 mc		●	●			Bass	Tan	10,390 psi (71.64 MPa)	5.9 %	16,700 psi (115.1 MPa)	2.0 ft-lb/in (106 J/m)	307°F (153°C)	Flame, smoke, toxicity (FST) cert.
PPSF	Fortus 400 mc	Fortus 900 mc		● <sup>4</sup>	●			Bass	Tan	8,000 psi (55 MPa)	3.0 %	15,900 psi (110 MPa)	1.1 ft-lb/in (58.73 J/m)	372°F (189°C)	Highest heat and chemical resistance

<sup>1</sup> 0.005 inch (0.127 mm) layer thickness not available for ABS-M30, ABS-M30i, and PC-ABS for Fortus 900mc.

<sup>2</sup> ABS-M30i, PC-ABS, and PC-ISO will be available Q2 2009 for Fortus 900mc.

<sup>3</sup> See individual material spec sheets for testing details.

<sup>4</sup> 0.013 inch (0.330 mm) layer thickness not available for Fortus 900mc for PPSF.

- Black
- Blue
- Dark Grey
- Ivory
- Red
- Tan
- White
- Translucent Natural
- Translucent Amber
- Translucent Red