

## Selective Laser Sintering (SLS) - Material Comparison Sheet

			DuraForm PA*	DuraForm PA/GF*	CastForm PS*
	Units	Test Method			
Material Description			Polyamide	Polyamide Glass Filled	Polystyrene
Applications			General	General	Patterns for Investment Casting
Appearance			White	Grey White	White
Specific Gravity 20°C	g/cm3	ASTM D792	0.97	1.4	0.86
Tensile Strength	MPa	ASTM D638	44	38.1	2.84
Tensile Modulus	MPa	ASTM D638	1600	5910	1604
Tensile Elongation at Break	%	ASTM D638	9	2	N/A
Flexural Modulus	MPa	ASTM D790	1285	3300	N/A
Impact Strength					
Notched Izod	J/m	ASTM D256	214	96	<11
Unnotched Izod	J/m	ASTM D256	428	101	14
HDT					
@ 0.45 MPa	°C	ASTM D648	177	175	33
@ 1.82 MPa	°C	ASTM D648	86	110	40

\* All data referenced from 3D Systems Product datasheets. Full Datasheet available on request.