

# Laser Sintering Material Properties

<b>Datasheet</b>		Average values may vary with build conditions			
<b>MATERIAL</b>			<b>PA</b>	<b>PA-GF</b>	<b>ALUMIDE</b>
	Units	Condition	Value	Value	Value
Tensile Modulus	MPa	DIN EN ISO 527	1650 +/-150	3200 +/-200	3800 +/-150
Tensile Strength	MPa	DIN EN ISO 527	48 +/-3	51 +/-3	48 +/-3
Elongation at Break	%	DIN EN ISO 527	20 +/-5	6 +/-3	3.5 +/-1
Notched Izod Impact	J/m <sup>2</sup>	DIN EN ISO 180	4.4 +/-0.4	4.2 +/-0.3	NA
Shore D Hardness		DIN 53505	75 +/-2	80 +/-2	76 +/-2
Heat Deflection t°	°C	ASTM D648 (1.82MPa)	86	110	130
Special Purpose					

The information and values included in these datasheets is provided for your guidance only.