



Materials Data Sheet

Fabrica's proprietary materials reach new levels of precision, opening endless possibilities for additive manufacturing.

Precision N-800	<p>ABS-like Serving a wide range of engineering applications.</p> <p>Strength and Flexibility. An ideal choice for structural applications.</p>
Performance P-900	<p>Reinforced Composite High-temperature-tolerance with upgraded mechanical properties.</p> <p>High Wear Resistance Enhanced performance for demanding applications.</p>
Durable D-810	<p>Versatile ABS-like Durable, rigid material, enabling high structural integrity.</p>
Transparent T-700	<p>PMMA-like (polymethyl methacrylate) Suitable for production of parts requiring translucency such as optical elements, microfluidic chips, and medical devices.</p>

	Based on Standard	Precision N-800	Performance P-900	Durable D-810	Transparent T-700
Tensile strength (Mpa)	ASTM D-1708	60	60	50	38
Young's Modulus (MPa)		580	660	550	460
Elongation at break (%)		12	11	11	12
Flexural strength (MPa)	ASTM D-790	73	98	80	73
Flexural Modulus (MPa)		1300	2000	1600	1350
Flexural max strain (%)		5.2	7.6	6.0	6.5
Shore hardness	Scale D ASTM D 2240	86	90	88	84
Tg (°C)	DMA ASTM D 7028	100	140	120	100
Df	ASTM D150	10MHz/0.016	10GHz/0.017	10GHz/0.015	-
Dk		10MHz/1.76	10GHz/2.14	10GHz/2.65	-
Density (g/cm³)	ASTM D792	1.15	1.27	1.15	1.15
Resolution (µm)		2	2	2	5