

# Material Information Sheet

## Plural / 3ntr Profiled Materials

### Build Polymers

Material	Density	Max Operating Temperature	Elongation at break	Max tensile strength	Flammability UL94	Use Cases	Nozzle Type	Heated Chamber
ABS	1.05	85°C	5.52%	1539	HB	General use	Std	Yes
ASA	1.07	95°C	10.00%	2010	TBD	High UV resistance	Std	Yes
nPOWER	1.27	210°C	7.40%	1966	V0	Self-extinguishing, high temp, high chemical resistance	Std	Yes
PA12CF (NylonCarbon)	1.18	120°C	8.10%	2450	HB	High fatigue resistance	Anti-Abrasion	Yes
PA12GF (NylonGlass)	1.18	120°C	8.00%	2350	HB	High impact resistance	Anti-Abrasion	Yes
PCABS	1.13	109°C	8.40%	2006	HB	Fast print, high impact resistance, metal plating,	Std	Yes
PETG	1.27	75°C	120.00%	2150	—	Good chemical & fatigue resistance	Std	No
TPU85A	1.19	95°C	680%	3700	—	Elastic/soft parts	Std	No
TPU95A	1.22	95°C	580%	5650	—	Elastic/semi-soft parts	Std	No
TPU75D	1.18	95°C	295%	6900	—	Elastic/tough parts	Std	No

### Support Polymers

Material	Removal	Solvent	Compatible Materials	Heated Chamber
SSU00/HIPS	Manual	None supported	ASA, ABS - PCABS	Yes
SSU01	Soluble	55°C H <sub>2</sub> O + 20% NaOH	ASA, ABS - PCABS	Yes
SSU02	Manual	None	PA12GF - PA12CF	No
SSU03	Soluble	Hot water	TPU - PLA - PETG	No
SSU04	TBA	TBA	TBA	TBA
SSU05	Manual	None	nPOWER	Yes