



PUSH PLASTIC

Technical Data Sheet

Push Plastic HIPS

Specially formulated HIPS resin for 3D printing designed to optimize support structures

Mechanical Properties	Test Method and Units	Value
Izod Notched Impact (73F, 0.118in)	ASTM D256 ft-lb/in	2.8
Tensile Strength at Yield (0.118 in)	ASTM D638 PSI	3700
Flexural Strength at Yield (.236 in)	ASTM D790 PSI	5120
Flexural Modulus (.236)	ASTM D790 PSI	270000
Rockwell Hardness (L Scale)	ASTM D785 L-Scale	50
Thermal Properties		
Deflection Temperature Under Load (264 psi)	ASTM D648 °F	178
Flammability (0.06 in)	UL-94 -	HB(1.5)

Notes:

* The values presented are laboratory averages and may vary within a moderate range for 3D printed specimens

*This data is not intended to substitute for any testing you may need to determine the suitability of this material for your uses