



# PUSH PLASTIC

## Technical Data Sheet

### Push Plastic ASA (Acrylonitrile styrene acrylate)

Specially formulated ASA resin for 3D printing designed to optimize weather resistance

<b>Mechanical Properties</b>	<b>Test Method and Units</b>	<b>Value</b>
Izod Notched Impact (3.2mm, 23C)	ASTM D256 J/m	435
Tensile Strength at Yield (23C 50mm/min 3.2mm)	ASTM D638 Mpa	42
Flexural Strength (.236 in)	ASTM D790 MPa	64
Flexural Modulus (23C, 15mm/min 3.2mm)	ASTM D790 Mpa	1900
Rockwell Hardness (R Scale)	ASTM D785 R-Scale	92
<b>Thermal Properties</b>		
HDT Edgewise, 1.82MPa, 6.4mm, Unannealed	ASTM D648 °C	85
Flammability (1.5mm)	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