



# PUSH PLASTIC

## Technical Data Sheet

### Push Plastic PETG

Unreinforced Glycol modified Co-polyester PETG

Physical Properties	Test Method	Value
<b>MECHANICAL</b>		
Tensile Stress, yld, Type I, 50 mm/min	ASTMD 638	50 Mpa
Tensile Strain, brk, Type I, 50 mm/min	ASTMD 638	28 MPa
Elongation at Break	ASTMD 638	140%
Flexural Strength, 1.27mm/min, 50 mm span	ASTMD 790	73 Mpa
Flexural Modulus, 1.3 mm/min, 50 mm span	ASTMD 790	2110 Mpa
<b>IMPACT</b>		
Izod Impact, notched, 23°C	ASTM D 256	100 J/m
Impact Resistance in 3.2mm plaque	ASTM D 3763	33 J
<b>THERMAL</b>		
HDT, 0.45 Mpa	ASTM D 648	70C
HDT, 1.82 Mpa	ASTM D 648	64C
Vicat Softening temp	ASTM D 1525	85C
Glass Transition Temp (tg)	DSC	80C
<b>PHYSICAL</b>		
Specific Gravity	ASTM D 792	1.27
Rockwell Hardness	ASTM D 785	110.00
Water Absorbtion	ASTM D 570	0.13%

Notes: The values presented are laboratory averages and may vary within a moderate range for 3D printed parts