



PUSH PLASTIC

Technical Data Sheet

Push Plastic PC/PBT

Unreinforced PC/Polyester alloy with excellent impact strength and chemical resistance

Physical Properties	Test Method	Value
MECHANICAL		
Tensile Stress, yld, Type I, 50 mm/min	ASTMD 638	53 Mpa
Tensile Strain, brk, Type I, 50 mm/min	ASTMD 638	150%
Flexural Stress, yld, 1.3 mm/min, 50 mm span	ASTMD 790	83 Mpa
Flexural Modulus, 1.3 mm/min, 50 mm span	ASTMD 790	1955 Mpa
IMPACT		
Izod Impact, notched, 23°C	ASTM D 256	798 J/m
Izod Impact, notched, 0°C	ASTM D 256	695 J/m
Izod Impact, notched, -30°C	ASTM D 256	635 J/m
THERMAL		
HDT, 0.45 MPa, 6.4 mm, unannealed	ASTM D 648	109 C
HDT, 1.82 MPa, 6.4 mm, unannealed	ASTM D 648	90 C
PHYSICAL		
Specific Gravity	ASTM D 792	1.20
Specific Volume	ASTM D 792	.83 cm ³ /g

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