



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