

Properties for ReZen PC/ABS-0406

Product Name: ReZen PC/ABS-0406

Status: Preliminary

Description: Injection grade Polycarbonate alloy, economy grade

| Property | SI | English | Test Method |
|---|-----------|--------------|--------------|
| Specific Gravity | 1.16 | 1.16 | ASTM D792 |
| Melt Flow | 6 g/10min | 6 g/10min | ASTM D1238 |
| Heat Deflection Temperature 264 psi (1.82 MPa) | 99°C | 210°F | D648 |
| Mold Shrinkage Guideline (Flow Direction) | 0.6% | 0.6% | 1/8" Section |
| Tensile Strength at Yield | 52 MPa | 7,500 psi | ASTM D638 |
| Elongation at Break | >10% | >10% | ASTM D638 |
| Flexural Strength | 86 MPa | 12,500 psi | ASTM D790 |
| Flexural Modulus | 2,069 MPa | 300,000 psi | ASTM D790 |
| Izod Impact Strength (Notched, 1/8" specimen) | 320 J/m | 6.0 ft-lb/in | D256 |

This mechanical property test data has been developed using injection molded specimens tested under standardized conditions; furthermore, many of the mechanical properties of the thermoplastic materials can be influenced by changes in processing conditions, environmental factors such as temperature and humidity, and rate of application of stress. Therefore, these test results, which characterized typical production material, should not be used either to establish specification limits or alone as the basis for engineering design.