

# Generic PC Alloy

Polycarbonate Alloy

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PC Alloy  
This information is provided for comparative purposes only.

| General Information               |               |                   |             |
|-----------------------------------|---------------|-------------------|-------------|
| Physical                          | Nominal Value | Unit              | Test Method |
| Specific Gravity                  | 1.14 - 1.26   | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage                 |               |                   |             |
| Flow: 23°C                        | 0.60 - 0.61   | %                 | ASTM D955   |
| 23°C                              | 0.60          | %                 | ISO 294-4   |
| Mechanical                        | Nominal Value | Unit              | Test Method |
| Tensile Strength (Yield, 23°C)    | 51.6 - 56.0   | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C)  | 1.7 - 91      | %                 | ASTM D638   |
| Flexural Modulus (23°C)           | 2230 - 2410   | MPa               | ASTM D790   |
| Flexural Strength (23°C)          | 76.5 - 86.9   | MPa               | ASTM D790   |
| Impact                            | Nominal Value | Unit              | Test Method |
| Notched Izod Impact (23°C)        | 92 - 710      | J/m               | ASTM D256   |
| Thermal                           | Nominal Value | Unit              | Test Method |
| Deflection Temperature Under Load |               |                   | ASTM D648   |
| 0.45 MPa, not annealed            | 123 - 132     | °C                | ASTM D648   |
| 1.8 MPa, not annealed             | 104 - 129     | °C                | ASTM D648   |
| Injection                         | Nominal Value | Unit              |             |
| Drying Temperature                | 107 - 120     | °C                |             |
| Drying Time                       | 3.5 - 6.0     | hr                |             |
| Rear Temperature                  | 250 - 265     | °C                |             |
| Middle Temperature                | 250 - 271     | °C                |             |
| Front Temperature                 | 254 - 280     | °C                |             |
| Processing (Melt) Temp            | 260 - 272     | °C                |             |
| Mold Temperature                  | 60.0 - 76.8   | °C                |             |
| Injection instructions            |               |                   |             |

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