

# Pier One PC/ABS 1210 BK

Polycarbonate + ABS

Pier One Polymers, Inc.

## Message:

Pier One PC/ABS 1210 BK is a Polycarbonate + ABS (PC+ABS) material. It is available in North America for injection molding.

| General Information                       |                   |                   |             |
|-------------------------------------------|-------------------|-------------------|-------------|
| Appearance                                | Black             |                   |             |
| Forms                                     | Pellets           |                   |             |
| Processing Method                         | Injection Molding |                   |             |
| Physical                                  | Nominal Value     | Unit              | Test Method |
| Specific Gravity                          | 1.14              | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 4.0               | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                  | 6.0E-4            | %                 | ASTM D955   |
| Water Absorption (24 hr)                  | 0.15              | %                 | ASTM D570   |
| Mechanical                                | Nominal Value     | Unit              | Test Method |
| Tensile Strength (23°C)                   | 55.2              | MPa               | ASTM D638   |
| Tensile Elongation (Break, 23°C)          | 40                | %                 | ASTM D638   |
| Flexural Modulus (23°C)                   | 2520              | MPa               | ASTM D790   |
| Flexural Strength (23°C)                  | 89.6              | MPa               | ASTM D790   |
| Impact                                    | Nominal Value     | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.18 mm)       | 530 to 640        | J/m               | ASTM D256   |
| Thermal                                   | Nominal Value     | Unit              | Test Method |
| Deflection Temperature Under Load         |                   |                   | ASTM D648   |
| 0.45 MPa, Unannealed                      | 130               | °C                |             |
| 1.8 MPa, Unannealed                       | 110               | °C                |             |

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## Recommended distributors for this material

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