# EnCom PC 1611UR

Polycarbonate

EnCom, Inc.

## Message:

EnCom PC 1611UR is a Polycarbonate (PC) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.
Important attributes of EnCom PC 1611UR are:
Flame Rated
Good Mold Release
Good UV Resistance
Mold Release Agent
UV Stabilized
Typical applications include:
Automotive
Business/Office Goods

| General Information | |
|---|---|
| Additive | Mold Release<br>UV Stabilizer |
| Features | General Purpose<br>Good Mold Release<br>Good UV Resistance |
| Uses | Automotive Applications<br>Business Equipment<br>General Purpose |
| Appearance | Black<br>Colors Available<br>Natural Color |
| Forms | Pellets |
| Processing Method | Injection Molding |

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Specific Gravity | 1.20 | g/cm³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg) | 16 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow (3.18 mm) | 0.50 to 0.80 | % | ASTM D955 |

| Mechanical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Tensile Strength (Yield) | 65.5 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 110 | % | ASTM D638 |
| Flexural Modulus | 2220 | MPa | ASTM D790 |
| Flexural Strength | 85.8 | MPa | ASTM D790 |

| Impact | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Notched Izod Impact | 590 | J/m | ASTM D256 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, Unannealed, 3.18 mm | 132 | °C | |
| 1.8 MPa, Unannealed, 3.18 mm | 137 | °C | |
| **Flammability** | **Nominal Value** | | **Test Method** |
| Flame Rating (1.57 mm) | HB | | UL 94 |



## Recommended distributors for this material

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