

EnCom PC1613

Polycarbonate

EnCom, Inc.

Message:

EnCom PC1613 is a polycarbonate (PC) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is: profile extrusion molding or injection molding. The main characteristics of EnCom PC1613 are: flame retardant/rated flame.

Typical application areas include:

Automotive Industry

business/office supplies

| General Information | | | |
|--|---------------------------------|-------------------|-------------|
| Features | General | | |
| Uses | Application in Automobile Field | | |
| | Business equipment | | |
| | General | | |
| Appearance | Black | | |
| | Available colors | | |
| | Natural color | | |
| Forms | Particle | | |
| Processing Method | Profile extrusion molding | | |
| | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.20 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg) | 16 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow (3.18 mm) | 0.60 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 62.1 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 120 | % | ASTM D638 |
| Flexural Modulus | 2280 | MPa | ASTM D790 |
| Flexural Strength | 8.27 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 690 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, unannealed, 3.18mm | 132 | °C | ASTM D648 |
| 1.8 MPa, unannealed, 3.18mm | 127 | °C | ASTM D648 |
| Flammability | Nominal Value | Test Method | |
| Flame Rating (3.18 mm) | V-2 | UL 94 | |

Additional Information

The rating listed as Flammability Rating, UL 94, was tested in accordance to EnCom test methods.

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