

# TEKANATE™ G7038

Polycarbonate

Mando Advanced Materials Co., Ltd.

Message:

TEKANATE™ G7038 is a Polycarbonate (PC) product. It can be processed by injection molding and is available in Asia Pacific. Primary characteristic: flame rated.

| General Information                      |                   |          |             |
|------------------------------------------|-------------------|----------|-------------|
| 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) | 38                | g/10 min | ASTM D1238  |
| Mechanical                               | Nominal Value     | Unit     | Test Method |
| Tensile Strength                         | 61.4              | MPa      | ASTM D638   |
| Tensile Elongation (Break)               | 140               | %        | ASTM D638   |
| Flexural Modulus                         | 2090              | MPa      | ASTM D790   |
| Flexural Strength                        | 91.0              | MPa      | ASTM D790   |
| Impact                                   | Nominal Value     | Unit     | Test Method |
| Notched Izod Impact                      | 840               | 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                      | > 130             | °C       |             |
| Peak Melting Temperature                 | 270 to 300        | °C       | ASTM D2133  |
| Flammability                             | Nominal Value     |          | Test Method |
| Flame Rating                             | V-2               |          | UL 94       |
| Injection                                | Nominal Value     | Unit     |             |
| Mold Temperature                         | 110 to 120        | °C       |             |

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