

# TEKAMID™ TA210L

Polyamide 66

Mando Advanced Materials Co., Ltd.

Message:

TEKAMID™ TA210L is a Polyamide 66 (Nylon 66) product. It is available in Asia Pacific.

Characteristics include:

Flame Rated

Good Mold Release

| General Information               |                   |                   |             |
|-----------------------------------|-------------------|-------------------|-------------|
| Features                          | Good Mold Release |                   |             |
| Physical                          | Nominal Value     | Unit              | Test Method |
| Specific Gravity                  | 1.14              | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage <sup>1</sup>    |                   |                   | ASTM D955   |
| Flow                              | 1.5               | %                 |             |
| Across Flow                       | 1.5               | %                 |             |
| Mechanical                        | Nominal Value     | Unit              | Test Method |
| Tensile Strength                  | 83.4              | MPa               | ASTM D638   |
| Tensile Elongation (Break)        | 50                | %                 | ASTM D638   |
| Flexural Modulus                  | 3040              | MPa               | ASTM D790   |
| Flexural Strength                 | 115               | MPa               | ASTM D790   |
| Impact                            | Nominal Value     | Unit              | Test Method |
| Notched Izod Impact               | 54                | J/m               | ASTM D256   |
| Thermal                           | Nominal Value     | Unit              | Test Method |
| Deflection Temperature Under Load |                   |                   | ASTM D648   |
| 0.45 MPa, Unannealed              | 235               | °C                |             |
| 1.8 MPa, Unannealed               | 90.0              | °C                |             |
| Peak Melting Temperature          | 260               | °C                | ASTM D2133  |
| Flammability                      | Nominal Value     |                   | Test Method |
| Flame Rating                      | V-0               |                   | UL 94       |
| Injection                         | Nominal Value     | Unit              |             |
| Drying Temperature                | 80.0              | °C                |             |
| Drying Time                       | 5.0 to 10         | hr                |             |
| Rear Temperature                  | 270 to 300        | °C                |             |
| Middle Temperature                | 260 to 290        | °C                |             |
| Front Temperature                 | 250 to 280        | °C                |             |
| Nozzle Temperature                | 270 to 300        | °C                |             |
| Processing (Melt) Temp            | 270 to 290        | °C                |             |
| Mold Temperature                  | 40.0 to 100       | °C                |             |
| Injection Pressure                | 44.1 to 152       | MPa               |             |
| NOTE                              |                   |                   |             |

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