

# DENYL 66 4022

Polyamide 66

Vamp Tech

Message:

PA 66, 40% mineral filled, not Flame Retardant compound, good mechanical properties.

| General Information                                     |                  |                              |                   |                         |
|---------------------------------------------------------|------------------|------------------------------|-------------------|-------------------------|
| Filler / Reinforcement                                  |                  | Mineral,40% Filler by Weight |                   |                         |
| Physical                                                | Dry              | Conditioned                  | Unit              | Test Method             |
| Specific Gravity                                        | 1.44             | --                           | g/cm <sup>3</sup> | ASTM D792               |
| Molding Shrinkage                                       |                  |                              |                   | ASTM D955               |
| Flow                                                    | 0.80             | --                           | %                 |                         |
| Across Flow                                             | 1.0              | --                           | %                 |                         |
| Mechanical                                              | Dry              | Conditioned                  | Unit              | Test Method             |
| Tensile Modulus                                         | 2200             | --                           | MPa               | ASTM D638               |
| Tensile Strength (Yield)                                | 40.0             | --                           | MPa               | ASTM D638               |
| Tensile Elongation (Break)                              | 5.0              | --                           | %                 | ASTM D638               |
| Flexural Modulus                                        | --               | 3400                         | MPa               | ASTM D790, ISO 178      |
| Impact                                                  | Dry              | Conditioned                  | Unit              | Test Method             |
| Notched Izod Impact Strength                            | 6.0              | --                           | kJ/m <sup>2</sup> | ISO 180/A               |
| Unnotched Izod Impact Strength                          | 50               | --                           | kJ/m <sup>2</sup> | ISO 180                 |
| Thermal                                                 | Dry              | Conditioned                  | Unit              | Test Method             |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 80.0             | --                           | °C                | ASTM D648A              |
| Vicat Softening Temperature                             | 235              | --                           | °C                | ASTM D1525 <sup>1</sup> |
| RTI Elec                                                | 120              | --                           | °C                | UL 746                  |
| RTI Imp                                                 | 120              | --                           | °C                | UL 746                  |
| RTI Str                                                 | 120              | --                           | °C                | UL 746                  |
| Injection                                               | Dry              | Unit                         |                   |                         |
| Drying Temperature                                      | 90.0             |                              | °C                |                         |
| Drying Time                                             | 3.0              |                              | hr                |                         |
| Processing (Melt) Temp                                  | 280              |                              | °C                |                         |
| Mold Temperature                                        | 100              |                              | °C                |                         |
| NOTE                                                    |                  |                              |                   |                         |
| 1.                                                      | Loading 2 (50 N) |                              |                   |                         |

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