

# DENILEN M 7039

Polypropylene  
Vamp Tech

Message:  
PP, 70% mineral filled, not Flame Retardant compound, good mechanical properties.

| General Information                                     |                              |                   |                         |
|---------------------------------------------------------|------------------------------|-------------------|-------------------------|
| Filler / Reinforcement                                  | Mineral,70% Filler by Weight |                   |                         |
| Physical                                                | Nominal Value                | Unit              | Test Method             |
| Specific Gravity                                        | 1.99                         | g/cm <sup>3</sup> | ASTM D792               |
| Water Absorption (Saturation)                           | 0.020                        | %                 | ASTM D570               |
| Mechanical                                              | Nominal Value                | Unit              | Test Method             |
| Tensile Modulus                                         | 4000                         | MPa               | ASTM D638               |
| Tensile Strength (Yield)                                | 20.0                         | MPa               | ASTM D638               |
| Tensile Elongation (Break)                              | 5.0                          | %                 | ASTM D638               |
| Impact                                                  | Nominal Value                | Unit              | Test Method             |
| Notched Izod Impact Strength                            | 4.0                          | kJ/m <sup>2</sup> | ISO 180/A               |
| Unnotched Izod Impact Strength                          | 40                           | kJ/m <sup>2</sup> | ISO 180                 |
| Thermal                                                 | Nominal Value                | Unit              | Test Method             |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 65.0                         | °C                | ASTM D648A              |
| Vicat Softening Temperature                             | 95.0                         | °C                | ASTM D1525 <sup>1</sup> |
| RTI Elec                                                | 110                          | °C                | UL 746                  |
| RTI Imp                                                 | 110                          | °C                | UL 746                  |
| RTI Str                                                 | 110                          | °C                | UL 746                  |
| Injection                                               | Nominal Value                | Unit              |                         |
| Drying Temperature                                      | 70.0                         | °C                |                         |
| Drying Time                                             | 3.0                          | hr                |                         |
| Processing (Melt) Temp                                  | 220                          | °C                |                         |
| Mold Temperature                                        | 70.0                         | °C                |                         |
| NOTE                                                    |                              |                   |                         |
| 1.                                                      | Loading 2 (50 N)             |                   |                         |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

