

# DOMAMID® 66V0M

Polyamide 66  
DOMO Engineering Plastics SPA

Message:  
Polyamide 66, self extinguishing, halogen and phosphorous free, for injection moulding.

| General Information                            |                                  |                   |                |
|------------------------------------------------|----------------------------------|-------------------|----------------|
| Features                                       | Halogen Free                     |                   |                |
|                                                | Low (to None) Phosphorus Content |                   |                |
|                                                | Self Extinguishing               |                   |                |
| Processing Method                              | Injection Molding                |                   |                |
| Physical                                       | Nominal Value                    | Unit              | Test Method    |
| Density                                        | 1.18                             | g/cm <sup>3</sup> | ISO 1183       |
| Water Absorption (Saturation, 23°C)            | 7.0                              | %                 | ISO 62         |
| Hardness                                       | Nominal Value                    | Unit              | Test Method    |
| Rockwell Hardness (R-Scale)                    | 120                              |                   | ISO 2039-2     |
| Mechanical                                     | Nominal Value                    | Unit              | Test Method    |
| Tensile Modulus                                | 3400                             | MPa               | ISO 527-2/1    |
| Tensile Stress (Yield)                         | 85.0                             | MPa               | ISO 527-2/50   |
| Impact                                         | Nominal Value                    | Unit              | Test Method    |
| Notched Izod Impact Strength (23°C)            | 4.0                              | kJ/m <sup>2</sup> | ISO 180/1A     |
| Thermal                                        | Nominal Value                    | Unit              | Test Method    |
| Heat Deflection Temperature                    |                                  |                   |                |
| 0.45 MPa, Unannealed                           | 210                              | °C                | ISO 75-2/B     |
| 1.8 MPa, Unannealed                            | 90.0                             | °C                | ISO 75-2/A     |
| Vicat Softening Temperature                    | 245                              | °C                | ISO 306/B50    |
| Melting Temperature                            | 258 to 262                       | °C                | ISO 11357-3    |
| Electrical                                     | Nominal Value                    | Unit              | Test Method    |
| Surface Resistivity                            | 1.0E+13                          | ohms              | IEC 60093      |
| Volume Resistivity                             | 1.0E+15                          | ohms·cm           | IEC 60093      |
| Comparative Tracking Index (Solution A)        | 600                              | V                 | IEC 60112      |
| Flammability                                   | Nominal Value                    | Unit              | Test Method    |
| Burning Rate                                   | < 100                            | mm/min            | FMVSS 302      |
| Flame Rating (0.800 to 3.20 mm)                | V-0                              |                   | UL 94          |
| Glow Wire Flammability Index (1.00 to 3.00 mm) | 960                              | °C                | IEC 60695-2-12 |
| Injection                                      | Nominal Value                    | Unit              |                |
| Drying Temperature                             | 75.0 to 85.0                     | °C                |                |
| Drying Time                                    | 4.0 to 6.0                       | hr                |                |

|                        |              |    |
|------------------------|--------------|----|
| Processing (Melt) Temp | 260 to 290   | °C |
| Mold Temperature       | 60.0 to 90.0 | °C |

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