

Reny N-252A

PAMXD6-GF20

Mitsubishi Engineering-Plastics Corporation

| Processing/Physical Characteristics | dry / cond | Unit | Test Standard |
|-------------------------------------|------------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.3 / * | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 0.4 / * | % | ISO 294-4, 2577 |

| Mechanical properties | dry / cond | Unit | Test Standard |
|---------------------------------------|---------------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 20500 / 16900 | MPa | ISO 527 |
| Stress at break | 147 / 122 | MPa | ISO 527 |
| Strain at break | 1.1 / 1.3 | % | ISO 527 |
| Flexural modulus, 23°C | 20300 / 15200 | MPa | ISO 178 |
| Flexural strength | 260 / 195 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 27 / 26 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 3.8 / 4.2 | kJ/m ² | ISO 179/1eA |

| Thermal properties | dry / cond | Unit | Test Standard |
|--|------------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 226 / * | °C | ISO 75-1/-2 |
| Burning behav. at 1.5 mm nom. thickn. | HB / * | class | IEC 60695-11-10 |
| Thickness tested | 1.6 / * | mm | - |
| Yellow Card available | yes / * | - | - |

| Electrical properties | dry / cond | Unit | Test Standard |
|-----------------------------|-------------|-------|---------------|
| ISO Data | | | |
| Relative permittivity, 1MHz | 5 / 5 | - | IEC 62631-2-1 |
| Dissipation factor, 1MHz | 80 / 180 | E-4 | IEC 62631-2-1 |
| Volume resistivity | 6E13 / 7E12 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | * / 2E14 | Ohm | IEC 62631-3-2 |
| Electric strength | 21 / 20 | kV/mm | IEC 60243-1 |

| Other properties | dry / cond | Unit | Test Standard |
|---------------------|------------|-------------------|----------------|
| Humidity absorption | 1.1 / * | % | Sim. to ISO 62 |
| Density | 1720 / - | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 3 | h | - |
| Mold temperature | 120 - 140 | °C | - |
| Zone 1 | 265 | °C | - |
| Zone 2 | 270 | °C | - |
| Zone 3 | 275 | °C | - |
| Nozzle temperature | 275 | °C | - |
| Screw speed | 60 - 150 | rpm | - |
| Injection pressure | 20 - 150 | MPa | - |

Characteristics**Processing**

Injection Molding

Features

Acoustical Barrier Properties

Applications

Automotive, Electrical and Electronical, General Purpose

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa