

# ResMart PC/ABS NH-1015V

Polycarbonate + ABS

ResMart

Message:

Nonhalogenated, flame retardant PC/ABS

| General Information                                     |                   |                   |             |
|---------------------------------------------------------|-------------------|-------------------|-------------|
| Additive                                                | Flame retardancy  |                   |             |
| Features                                                | Halogen-free      |                   |             |
|                                                         | Flame retardancy  |                   |             |
| Processing Method                                       | Injection molding |                   |             |
| Physical                                                | Nominal Value     | Unit              | Test Method |
| Specific Gravity                                        | 1.17              | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR)                               |                   |                   |             |
| 220°C/10.0 kg                                           | 30                | g/10 min          | ASTM D1238  |
| 220°C/10.0 kg                                           | 29                | g/10 min          | ISO 1133    |
| Hardness                                                | Nominal Value     | Unit              | Test Method |
| Rockwell Hardness                                       | 118               |                   | ISO 2039-2  |
| Mechanical                                              | Nominal Value     | Unit              | Test Method |
| Tensile Strength                                        | 59.0              | MPa               | ASTM D638   |
| Flexural Modulus                                        | 2400              | MPa               | ASTM D790   |
| Flexural Strength                                       | 88.9              | MPa               | ASTM D790   |
| Impact                                                  | Nominal Value     | Unit              | Test Method |
| Notched Izod Impact (3.18 mm)                           | 530               | J/m               | ASTM D256   |
| Thermal                                                 | Nominal Value     | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 108               | °C                | ASTM D648   |
| Flammability                                            | Nominal Value     |                   | Test Method |
| Flame Rating                                            | V-0               |                   | UL 94       |
| Injection                                               | Nominal Value     | Unit              |             |
| Drying Temperature - Desiccant Dryer                    | 93.3              | °C                |             |
| Drying Time - Desiccant Dryer                           | 4.0               | hr                |             |
| Suggested Max Moisture                                  | 0.10              | %                 |             |
| Processing (Melt) Temp                                  | 204 - 260         | °C                |             |
| Mold Temperature                                        | 62.8 - 79.4       | °C                |             |
| Injection Pressure                                      | 68.9 - 96.5       | MPa               |             |
| Injection instructions                                  |                   |                   |             |
| Dew Point: 0°F                                          |                   |                   |             |

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