

# Hylex® P1025G20FRMA

Polycarbonate  
Ravago Manufacturing Americas, LLC

Message:  
Polycarbonate, 20% Glass Filled, Flame Retardant

| General Information                      |                                  |                   |             |
|------------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                   | Glass Fiber,20% Filler by Weight |                   |             |
| Features                                 | Flame Retardant                  |                   |             |
| RoHS Compliance                          | RoHS Compliant                   |                   |             |
| UL File Number                           | E157012                          |                   |             |
| Physical                                 | Nominal Value                    | Unit              | Test Method |
| Density                                  | 1.38                             | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg) | 25                               | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow (3.18 mm)       | 0.20 to 0.50                     | %                 | ISO 294-4   |
| Mechanical                               | Nominal Value                    | Unit              | Test Method |
| Tensile Stress (Break)                   | 100                              | MPa               | ISO 527-2   |
| Tensile Strain (Break)                   | 2.0                              | %                 | ISO 527-2   |
| Flexural Modulus                         | 5500                             | MPa               | ISO 178     |
| Flexural Stress                          | 135                              | MPa               | ISO 178     |
| Impact                                   | Nominal Value                    | Unit              | Test Method |
| Notched Izod Impact Strength             | 7.0                              | kJ/m <sup>2</sup> | ISO 180     |
| Thermal                                  | Nominal Value                    | Unit              | Test Method |
| Heat Deflection Temperature              |                                  |                   |             |
| 0.45 MPa, Unannealed                     | 149                              | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                      | 146                              | °C                | ISO 75-2/A  |
| Flammability                             | Nominal Value                    | Test Method       |             |
| Flame Rating                             |                                  |                   | UL 94       |
| 1.50 mm                                  | V-0                              |                   |             |
|                                          | V-0                              |                   |             |
| 3.00 mm                                  | 5VA                              |                   |             |

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