



## HYLEX® P1010G30FRMA

Ravago Manufacturing Americas - Polycarbonate

Monday, November 4, 2019

### General Information

#### Product Description

Polycarbonate, 30% Glass Filled, Flame Retardant

#### General

|                        |                                     |
|------------------------|-------------------------------------|
| Material Status        | • Commercial: Active                |
| Availability           | • North America                     |
| Filler / Reinforcement | • Glass Fiber, 30% Filler by Weight |
| Features               | • Flame Retardant                   |
| RoHS Compliance        | • RoHS Compliant                    |
| UL File Number         | • E157012                           |

### ASTM & ISO Properties <sup>1</sup>

| Physical                                          | Nominal Value | Unit                  | Test Method |
|---------------------------------------------------|---------------|-----------------------|-------------|
| Density                                           | 1.43          | g/cm <sup>3</sup>     | ISO 1183    |
| Melt Mass-Flow Rate (300°C/1.2 kg)                | 10            | g/10 min              | ASTM D1238  |
| Molding Shrinkage - Flow (0.125 in)               | 0.20 to 0.50  | %                     | ISO 294-4   |
| Mechanical                                        | Nominal Value | Unit                  | Test Method |
| Tensile Stress (Break)                            | 17400         | psi                   | ISO 527-2   |
| Tensile Strain (Break)                            | 4.0           | %                     | ISO 527-2   |
| Flexural Modulus                                  | 986000        | psi                   | ISO 178     |
| Flexural Stress                                   | 23200         | psi                   | ISO 178     |
| Impact                                            | Nominal Value | Unit                  | Test Method |
| Notched Izod Impact Strength                      | 3.3           | ft-lb/in <sup>2</sup> | ISO 180     |
| Thermal                                           | Nominal Value | Unit                  | Test Method |
| Heat Deflection Temperature (66 psi, Unannealed)  | 306           | °F                    | ISO 75-2/B  |
| Heat Deflection Temperature (264 psi, Unannealed) | 298           | °F                    | ISO 75-2/A  |
| Flammability                                      | Nominal Value | Unit                  | Test Method |
| Flame Rating                                      |               |                       | UL 94       |
| 0.06 in                                           |               | V-0                   |             |
| 0.12 in                                           | •             | V-0                   |             |
|                                                   | •             | 5VA                   |             |

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.