

# ACCUGUARD™ POL050G10HIV0L

Polycarbonate  
ACLO Compounders Inc.

Message:

ACCUGUARD™POL050G10HIV0L is a polycarbonate (PC) product that contains a 10% glass fiber reinforced material. It is available in North America.  
Features include:  
flame retardant/rated flame  
Flame Retardant  
Impact resistance

| General Information                      |                                                       |                   |             |
|------------------------------------------|-------------------------------------------------------|-------------------|-------------|
| Filler / Reinforcement                   | Glass fiber reinforced material, 10% filler by weight |                   |             |
| Features                                 | Impact resistance, high                               |                   |             |
|                                          | Flame retardancy                                      |                   |             |
| UL File Number                           | E99379                                                |                   |             |
| Forms                                    | Particle                                              |                   |             |
| Physical                                 | Nominal Value                                         | Unit              | Test Method |
| Specific Gravity                         | 1.28                                                  | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (300°C/1.2 kg) | 8.0                                                   | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                 | 0.30                                                  | %                 | ASTM D955   |
| Hardness                                 | Nominal Value                                         | Unit              | Test Method |
| Rockwell Hardness (R-Scale)              | 122                                                   |                   | ASTM D785   |
| Mechanical                               | Nominal Value                                         | Unit              | Test Method |
| Tensile Modulus                          | 2900                                                  | MPa               | ASTM D638   |
| Tensile Strength                         |                                                       |                   | ASTM D638   |
| Yield                                    | 76.0                                                  | MPa               | ASTM D638   |
| Fracture                                 | 70.0                                                  | MPa               | ASTM D638   |
| Tensile Elongation                       |                                                       |                   | ASTM D638   |
| Yield                                    | 5.0                                                   | %                 | ASTM D638   |
| Fracture                                 | 10                                                    | %                 | ASTM D638   |
| Flexural Modulus                         | 3700                                                  | MPa               | ASTM D790   |
| Flexural Strength                        | 122                                                   | MPa               | ASTM D790   |
| Impact                                   | Nominal Value                                         | Unit              | Test Method |
| Notched Izod Impact                      | 190                                                   | J/m               | ASTM D256   |
| Thermal                                  | Nominal Value                                         | Unit              | Test Method |
| Deflection Temperature Under Load        |                                                       |                   | ASTM D648   |
| 0.45 MPa, not annealed                   | 140                                                   | °C                | ASTM D648   |
| 1.8 MPa, not annealed                    | 133                                                   | °C                | ASTM D648   |
| Flammability                             | Nominal Value                                         |                   | Test Method |
| Flame Rating (3.18 mm)                   | V-0                                                   |                   | UL 94       |

#### Additional Information

Ash Content, ASTM D2584: 10%

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#### Recommended distributors for this material

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