

## Technical Data Sheet

### *Diamaloy* ASAPC GLY 130.6A103 SF



Polycarbonate + ASA

#### Product Description

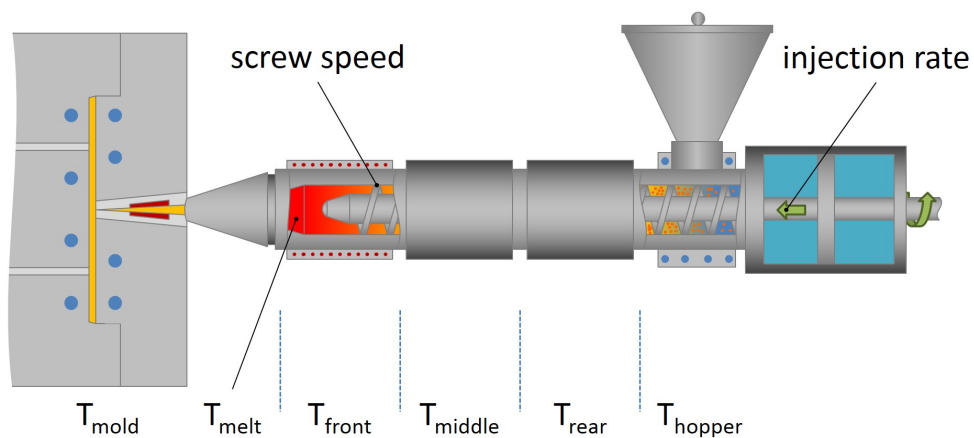
*Diamaloy* ASAPC GLY 130.6A103 SF is a Polycarbonate + ASA material.

#### Regulatory Status

For regulatory compliance information, see *Diamaloy* ASAPC GLY 130.6A103 SF [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|              |                    |
|--------------|--------------------|
| Status       | Commercial: Active |
| Availability | North America      |
| Forms        | Pellets            |
| Additive     | UV Stabilizer      |

| Typical Properties                                                   | Nominal Value | Units             | Test Method |
|----------------------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                                      |               |                   |             |
| Melt Flow Rate, (265 °C/5.0 kg, Procedure A)                         | 35            | g/10 min          | ASTM D1238  |
| Density - Specific Gravity                                           | 1.14          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                                    |               |                   |             |
| Tensile Strength at Yield, (51 mm/min)                               | 61.4          | MPa               | ASTM D638   |
| Flexural Modulus, (1.3 mm/min, Procedure B, Method I (3 point load)) | 2500          | MPa               | ASTM D790   |
| <b>Impact</b>                                                        |               |                   |             |
| Notched Izod Impact, (3.18 mm, Method A)                             | 430           | J/m               | ASTM D256   |
| <b>Hardness</b>                                                      |               |                   |             |
| Rockwell Hardness, (R-Scale)                                         | 116           |                   | ASTM D785   |
| <b>Thermal</b>                                                       |               |                   |             |
| Vicat Softening Temperature, (Loading 1 (10 N))                      | 137           | °C                | ASTM D1525  |
| Deflection Temperature Under Load Annealed (264 psi), (6.35 mm)      | 121           | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (264 psi), (6.35 mm)    | 103           | °C                | ASTM D648   |
| Coefficient of Linear Thermal Expansion (CLTE), Flow, (-30 to 80 °C) | 6.8E-5        | cm/cm/°C          | ASTM D696   |



| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 4.0    | hr    |
| Drying Temperature     | 80 to 85      | °C    |
| Suggested Max Moisture | 0.1           | %     |
| Nozzle Temperature     | 232 to 271    | °C    |
| Processing (Melt) Temp | 232 to 271    | °C    |
| Front Temperature      | 232 to 271    | °C    |
| Suggested Shot Size    | 40 to 70      | %     |
| Middle Temperature     | 232 to 265    | °C    |
| Rear Temperature       | 227 to 260    | °C    |
| Injection Rate         | Fast          |       |
| Back Pressure          | 0.517 to 1.03 | MPa   |
| Mold Temperature       | 40 to 80      | °C    |

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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