

## Toyolac™ SX10G-15

Toray Industries, Inc. - Polyamide 6 + ABS

### General Information

#### Product Description

ABS/PA Alloy, GF15%

#### General

|                        |                                                       |
|------------------------|-------------------------------------------------------|
| Material Status        | • Commercial: Active                                  |
| Availability           | • Asia Pacific • Europe • North America               |
| Filler / Reinforcement | • Glass Fiber, 15% Filler by Weight                   |
| Features               | • High Strength                                       |
| Uses                   | • Automotive Applications • Automotive Exterior Parts |
| Processing Method      | • Injection Molding                                   |
| ISO Designation        | • >PA6+ABS-GF15<                                      |

### Properties <sup>1</sup>

| Physical                                                | Nominal Value | Unit                  | Test Method |
|---------------------------------------------------------|---------------|-----------------------|-------------|
| Density (73°F)                                          | 1.19          | g/cm <sup>3</sup>     | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)               | 23            | g/10 min              | ISO 1133    |
| Mechanical                                              | Nominal Value | Unit                  | Test Method |
| Tensile Stress (73°F)                                   | 16000         | psi                   | ISO 527-2   |
| Tensile Strain (Break, 73°F)                            | 5.0           | %                     | ISO 527-2   |
| Flexural Modulus (73°F)                                 | 660000        | psi                   | ISO 178     |
| Flexural Stress (73°F)                                  | 23100         | psi                   | ISO 178     |
| Impact                                                  | Nominal Value | Unit                  | Test Method |
| Charpy Notched Impact Strength (73°F)                   | 4.3           | ft·lb/in <sup>2</sup> | ISO 179     |
| Thermal                                                 | Nominal Value | Unit                  | Test Method |
| Deflection Temperature Under Load (264 psi, Unannealed) | 347           | °F                    | ISO 75-2/A  |

### Notes

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

