

# Toyolac® 335-X01

Acrylonitrile Butadiene Styrene

Toray Resin Company

## Message:

Toyolac® 335-X01 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Asia Pacific, Europe, or North America.

| General Information                               |               |                   |                       |
|---------------------------------------------------|---------------|-------------------|-----------------------|
| Features                                          | Platable      |                   |                       |
| Part Marking Code                                 | >ABS<         |                   |                       |
| Physical                                          | Nominal Value | Unit              | Test Method           |
| Specific Gravity                                  |               |                   |                       |
| --                                                | 1.04          | g/cm <sup>3</sup> | ASTM D792             |
| 23°C                                              | 1.04          | g/cm <sup>3</sup> | ISO 1183              |
| Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)         | 24            | g/10 min          | ISO 1133              |
| Molding Shrinkage                                 | 0.40 to 0.70  | %                 | Internal Method       |
| Hardness                                          | Nominal Value | Unit              | Test Method           |
| Rockwell Hardness (R-Scale, 23°C)                 | 112           |                   | ASTM D785, ISO 2039-2 |
| Mechanical                                        | Nominal Value | Unit              | Test Method           |
| Tensile Stress (23°C)                             | 44.0          | MPa               | ISO 527-2             |
| Tensile Strain (Break, 23°C)                      | 6.0           | %                 | ISO 527-2             |
| Flexural Modulus (23°C)                           | 2330          | MPa               | ISO 178               |
| Flexural Stress (23°C)                            | 67.0          | MPa               | ISO 178               |
| Impact                                            | Nominal Value | Unit              | Test Method           |
| Charpy Notched Impact Strength (23°C)             | 32            | kJ/m <sup>2</sup> | ISO 179               |
| Thermal                                           | Nominal Value | Unit              | Test Method           |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 83.0          | °C                | ISO 75-2/A            |

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