

# Toraycon™ VX10 X01

## ABS+PBT

### TECHNICAL DATA

#### Product Description

High impact, Low warpage

**Uses** • Automotive Applications • Automotive Electronics • Windows & Doors

**Processing Method** • Injection Molding

**ISO Designation** • >PBT+ABS<

**Type** • PBT/Unreinforced

#### ASTM & ISO Properties

| Physical                                                 | Nominal Value | Unit              | Test Method     |
|----------------------------------------------------------|---------------|-------------------|-----------------|
| Density (23°C)                                           | 1.14          | g/cm <sup>3</sup> | ISO 1183        |
| Molding Shrinkage <sup>1</sup>                           |               |                   | Internal Method |
| Across Flow : 3.00 mm                                    | 1.20          | %                 |                 |
| Flow : 3.00 mm                                           | 1.10          | %                 |                 |
| Mechanical                                               | Nominal Value | Unit              | Test Method     |
| Tensile Strength (23°C)                                  | 45            | MPa               | ISO 527-2       |
| Tensile Strain (Break, 23°C)                             | > 10          | %                 | ISO 527-2       |
| Flexural Modulus (23°C)                                  | 2000          | MPa               | ISO 178         |
| Flexural Stress (23°C)                                   | 68            | MPa               | ISO 178         |
| Impact                                                   | Nominal Value | Unit              | Test Method     |
| Charpy Notched Impact Strength (23°C)                    | 45.0          | kJ/m <sup>2</sup> | ISO 179         |
| Thermal                                                  | Nominal Value | Unit              | Test Method     |
| Deflection Temperature Under Load<br>1.8 MPa, Unannealed | 82            | °C                | ISO 75-2/A      |
| Flammability                                             | Nominal Value | Unit              | Test Method     |
| Flame Rating <sup>2</sup> (1.5 mm, Equivalent)           | HB            |                   | Internal Method |

#### Notes

<sup>1</sup> 80x80x3mm

<sup>2</sup> UL94

Toray Industries, Inc.

