

**TOYOLAC® TP10-GP1**

ABS

Toray Industries, Inc.

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>21</b>	g/10min	ISO 1133
Temperature	<b>220</b>	°C	-
Load	<b>10</b>	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Strength	<b>54</b>	MPa	ISO 527
Strain at break	<b>11</b>	%	ISO 527
Flexural modulus, 23°C	<b>2350</b>	MPa	ISO 178
Charpy notched impact strength, +23°C	<b>13</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Rockwell hardness	<b>R 111</b>	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength	<b>51</b>	MPa	ASTM D 638
Elongation at Break	<b>10</b>	%	ASTM D 638
Flexural Modulus	<b>2260</b>	MPa	ASTM D 790
Rockwell Hardness	<b>R 111</b>	-	ASTM D 785
Izod Impact notched, 1/8 in	<b>108</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>HB</b>	-	UL 94
DTUL @ 264 psi	<b>88</b>	°C	ASTM D 648
<b>Electrical properties</b>			
<b>ASTM Data</b>			
Surface Resistivity	<b>2E13</b>	Ohm	ASTM D 257
<b>Other properties</b>			
Density	<b>1050</b>	kg/m <sup>3</sup>	ISO 1183
Density	<b>1050</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Special Characteristics**

Anti-static

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa