



# Toyolac™ 250 X10 U

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene

## General Information

### Product Description

High flow, High rigidity

### General

Features	<ul style="list-style-type: none"> <li>• High Flow</li> </ul>	<ul style="list-style-type: none"> <li>• High Strength</li> </ul>	
Uses	<ul style="list-style-type: none"> <li>• Camera Applications</li> <li>• Computer Components</li> <li>• Furniture</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial Applications</li> <li>• Kitchenware</li> <li>• Television Housings</li> </ul>	<ul style="list-style-type: none"> <li>• Toys</li> <li>• White Goods &amp; Small Appliances</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>• Injection Molding</li> </ul>		
ISO Designation	<ul style="list-style-type: none"> <li>• &gt;ABS&lt;</li> </ul>		

## Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.05	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	48	g/10 min	ISO 1133
Molding Shrinkage <sup>2</sup>	0.40 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	8270	psi	ISO 527-2
Tensile Strain (Break, 73°F)	16	%	ISO 527-2
Flexural Modulus (73°F)	374000	psi	ISO 178
Flexural Stress (73°F)	12000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.8	ft-lb/in <sup>2</sup>	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	115		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	181	°F	
Vicat Softening Temperature	203	°F	
CLTE - Flow	3.9E-5	in/in/°F	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

### Notes

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

<sup>2</sup> 23°C/50%RH