



# Toyolac™ 600 309 U

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene

## General Information

### Product Description

Extrusion

### General

Uses	<ul style="list-style-type: none"> <li>Bathroom Accessories</li> <li>Construction Applications</li> </ul>	<ul style="list-style-type: none"> <li>Cosmetics</li> <li>Windows &amp; Doors</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Extrusion</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)	1.04	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	12	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)	6820	psi	ISO 527-2
Tensile Strain (Break, 73°F)	14	%	ISO 527-2
Flexural Modulus (73°F)	302000	psi	ISO 178
Flexural Stress (73°F)	10000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	10	ft·lb/in <sup>2</sup>	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	106		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	180	°F	ISO 75-2/A
Vicat Softening Temperature	194 to 203	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94