



Toyolac™ TA20 X01

Toray Industries, Inc. - Acrylonitrile Styrene Acrylate

General Information

Product Description

Easy coloring

General

Uses	<ul style="list-style-type: none"> • Appliances • Bathroom Accessories • Construction Applications • Consumer Applications • Electrical/Electronic Applications • Furniture 	<ul style="list-style-type: none"> • General Purpose • Household Goods • Kitchenware • Lighting Applications • Luggage • Office Automation Equipment 	<ul style="list-style-type: none"> • Plumbing Parts • Printer • White Goods & Small Appliances • Windows & Doors
Processing Method	<ul style="list-style-type: none"> • Extrusion 	<ul style="list-style-type: none"> • Injection Molding 	
ISO Designation	<ul style="list-style-type: none"> • >ASA< 		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.10	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	21	g/10 min	ISO 1133
Molding Shrinkage ²	0.40 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	6240	psi	ISO 527-2
Flexural Modulus (73°F)	283000	psi	ISO 178
Flexural Stress (73°F)	9280	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.3	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	169	°F	ISO 75-2/A

Notes

¹ Typical properties: these are not to be construed as specifications.

² 23°C/50%RH