

Toyolac™ TA10 X01

Toray Industries, Inc. - Acrylonitrile Styrene Acrylate

General Information

Product Description

Injection

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Uses	• Appliances • Bathroom Accessories • Construction Applications • Consumer Applications • Electrical/Electronic Applications	• Furniture • Household Goods • Kitchenware • Lighting Applications • Luggage	• Office Automation Equipment • Plumbing Parts • Printer • White Goods & Small Appliances • Windows & Doors
Processing Method	• Injection Molding		
ISO Designation	• >ASA<		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	17	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)	5800	psi	ISO 527-2
Flexural Modulus (73°F)	271000	psi	ISO 178
Flexural Stress (73°F)	8700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	7.6	ft·lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	176	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Notes

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

² 23°C/50%RH

