

Toyolac™ TA42C X01

Toray Industries, Inc. - Acrylonitrile Styrene Acrylate

General Information

Product Description

Heat resistant

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• High Heat Resistance		
Uses	• Automotive Applications • Automotive Electronics	• Automotive Exterior Parts • Automotive Interior Parts	• Windows & Doors
Processing Method	• Injection Molding		
ISO Designation	• >ASA<		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	20	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)	6530	psi	ISO 527-2
Flexural Modulus (73°F)	316000	psi	ISO 178
Flexural Stress (73°F)	10200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	4.8	ft-lb/in ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	185	°F	ISO 75-2/A

Notes

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

² 23°C/50%RH

