



Toyolac™ TA42C X01

Toray Industries, Inc. - Acrylonitrile Styrene Acrylate

General Information

Product Description

Heat resistant

General

Features	<ul style="list-style-type: none"> High Heat Resistance 		
Uses	<ul style="list-style-type: none"> Automotive Applications Automotive Electronics 	<ul style="list-style-type: none"> Automotive Exterior Parts Automotive Interior Parts 	<ul style="list-style-type: none"> Windows & Doors
Processing Method	<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)	1.07	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