

Toyolac™ 700 SG5 UToray Industries, Inc. - *Acrylonitrile Butadiene Styrene***General Information****Product Description**

High gloss

General

Material Status • Commercial: Active

Availability • Asia Pacific • Europe • North America

Features • Pleasing Surface Appearance

Uses • Closures • High Gloss Applications • White Goods & Small Appliances
• Communication Applications • Television Housings
• Cosmetics • Toys

Processing Method • Injection Molding

ISO Designation • >ABS<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	26	g/10 min	ISO 1133
Molding Shrinkage ²	0.30 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	8120	psi	ISO 527-2
Tensile Strain (Break, 73°F)	10	%	ISO 527-2
Flexural Modulus (73°F)	371000	psi	ISO 178
Flexural Stress (73°F)	12200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	6.2	ft·lb/in ²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	116		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	203	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.05 in)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	98		Internal Method

Notes¹ Typical properties: these are not to be construed as specifications.² 23°C/50%RH