

Toyolac™ 700 SG5 U ABS

TECHNICAL DATA

Product Description

High gloss

Uses

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

Processing Method

- Injection Molding

ISO Designation

- >ABS<

Type

- ABS/Special purpose

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	26	g/10 min	ISO 1133
Molding Shrinkage ¹	0.30 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	56	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	10	%	ISO 527-2
Flexural Modulus (23°C)	2560	MPa	ISO 178
Flexural Stress (23°C)	84	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13.0	kJ/m²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	116		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	82	°C	ISO 75-2/A
Vicat Softening Temperature	95	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.2 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Gloss (60°)	98		Internal Method

Notes

¹ 23°C/50%RH

Toray Industries, Inc.

