

Toyolac™ 600 309 U ABS

TECHNICAL DATA

Product Description

Extrusion

Uses

- Bathroom Accessories
- Construction Applications
- Cosmetics
- Windows & Doors

Processing Method

- Extrusion

ISO Designation

- >ABS<

Type

- ABS/Extrusion

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	12	g/10 min	ISO 1133
Molding Shrinkage ¹	0.40 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	47	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	14	%	ISO 527-2
Flexural Modulus (23°C)	2080	MPa	ISO 178
Flexural Stress (23°C)	69	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	22.0	kJ/m²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	106		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	90 to 95	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	HB		UL 94

Notes

¹ 23°C/50%RH

Toray Industries, Inc.

