

Toyolac™ AX05 X03 U ABS

TECHNICAL DATA

Product Description

Standard

Uses	- Bathroom Accessories - Kitchenware - White Goods & Small Appliances
Processing Method	Injection Molding
ISO Designation	>ABS<
Type	ABS/Detergent resistant

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)	15	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)	41	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	15	%	ISO 527-2
Flexural Modulus (23°C)	1860	MPa	ISO 178
Flexural Stress (23°C)	60	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	34.0	kJ/m²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	108		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	79	°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

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