

Toyolac™ AX05 X38 U

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene

General Information

Product Description

For bathroom

General

Features	<ul style="list-style-type: none"> • Chemical Resistant • Detergent Resistant
Uses	<ul style="list-style-type: none"> • Bathroom Accessories
Processing Method	<ul style="list-style-type: none"> • Injection Molding
ISO Designation	<ul style="list-style-type: none"> • >ABS<

Properties¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	29	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)	6090	psi	ISO 527-2
Tensile Strain (Break, 73°F)	15	%	ISO 527-2
Flexural Modulus (73°F)	292000	psi	ISO 178
Flexural Stress (73°F)	9570	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	14	ft·lb/in ²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	108		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	174	°F	ISO 75-2/A
Vicat Softening Temperature	194 to 203	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Notes

¹ Typical properties: these are not to be construed as specifications.

² 23°C/50%RH