



Toyolac™ 532 X02

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene

General Information

Product Description

High sliding

General

Features	• Low Friction
Uses	<ul style="list-style-type: none"> • Appliances • Camera Applications • Office Automation Equipment • Printer • Structural Parts • Video Equipment • White Goods & Small Appliances
Processing Method	• Injection Molding
ISO Designation	• >ABS<

Properties¹

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)	22	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)	7980	psi	ISO 527-2
Tensile Strain (Break, 73°F)	6.0	%	ISO 527-2
Flexural Modulus (73°F)	390000	psi	ISO 178
Flexural Stress (73°F)	11500	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	5.7	ft·lb/in ²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	115		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	181	°F	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94