Toyolac™ 300 325 U

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene

General Information

Product Description			
Super high impact			
General			
Features	• High Impact Resistance		
Uses	• Bathroom Accessories • Construction Applications	• Cosmetics • Furniture	• Toys • Windows & Doors
Processing Method	• Extrusion	• Injection Molding	
ISO Designation	• >ABS<		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	10	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)	6240	psi	ISO 527-2
Tensile Strain (Break, 73°F)	16	%	ISO 527-2
Flexural Modulus (73°F)	261000	psi	ISO 178
Flexural Stress (73°F)	8700	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	13	ft·lb/in²	ISO 179
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 73°F)	100		ISO 2039-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/A
264 psi, Unannealed	176	°F	
Vicat Softening Temperature	194 to 203	°F	
CLTE - Flow	4.6E-5	in/in/°F	ASTM D696
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