Toyolac™ TM335 GM2

Toray Industries, Inc. - ***Acrylonitrile Butadiene Styrene***

General Information

Product Description			
High flow			
General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• High Flow	• Pleasing Surface Appearance	
Uses	• Automotive Applications	• Automotive Exterior Parts	• Automotive Interior Parts
Processing Method	• 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)	25	g/10 min	ISO 1133
Molding Shrinkage [2]	0.40 to 0.70	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (73°F)	6670	psi	ISO 527-2
Tensile Strain (Break, 73°F)	38	%	ISO 527-2
Flexural Modulus (73°F)	335000	psi	ISO 178
Flexural Stress (73°F)	10000	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	12	ft·lb/in²	ISO 179
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 73°F)	112		ISO 2039-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed)	183	°F	ISO 75-2/A
CLTE - Flow	4.7E-5	in/in/°F	ASTM D696

Notes

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

[2] 23°C/50%RH