Toyolac™ TP10 U

Toray Industries, Inc. - Acrylonitrile Butadiene Styrene

General Information			
Product Description			
Standard			
General			
Additive	• Antistatic		
Features	• Antistatic		
Uses	• Automotive Interior Parts • Camera Applications • Furniture	• Office Automation Equipment • Packaging • Printer	• Structural Parts • Television Housings • White Goods & Small Appliances
Processing Method	• Injection Molding		
ISO Designation	• >ABS<		

Properties [1]			
Physical	**Nominal Value**	**Unit**	**Test Method**
Density (73°F)	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	26	g/10 min	ISO 1133
Molding Shrinkage [2]	0.50 to 0.70	%	Internal Method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (73°F)	7690	psi	ISO 527-2
Tensile Strain (Break, 73°F)	13	%	ISO 527-2
Flexural Modulus (73°F)	319000	psi	ISO 178
Flexural Stress (73°F)	10900	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (73°F)	6.2	ft·lb/in²	ISO 179
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 73°F)	109		ISO 2039-2
Thermal	**Nominal Value**	**Unit**	
Vicat Softening Temperature	203	°F	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+11	ohms	ASTM D257
Electrostatic Voltage [3]	660	V	Internal Method
Half-life of Electrostatic Voltage Decay [3]	0.4	sec	Internal Method
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.06 in)	HB		UL 94