

# Toyolac™ 950 ME1

Toray Industries, Inc. - Methyl Methacrylate / ABS

## General Information

### Product Description

Medical, Chemical resistant

### General

Features	• Chemical Resistant	• Pleasing Surface Appearance
Uses	• Hospital Goods	• Medical/Healthcare Applications
Appearance	• Clear/Transparent	
Processing Method	• Film Extrusion	• Injection Molding
ISO Designation	• >MABS<	• Sheet Extrusion

## Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.09	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	18	g/10 min	ISO 1133
Molding Shrinkage <sup>2</sup>	0.40 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	7250	psi	ISO 527-2
Tensile Strain (Break, 73°F)	14	%	ISO 527-2
Flexural Modulus (73°F)	316000	psi	ISO 178
Flexural Stress (73°F)	10300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	6.7	ft-lb/in <sup>2</sup>	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	110		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	167	°F	ISO 75-2/A
Vicat Softening Temperature	176 to 185	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating <sup>3</sup> (0.06 in)	HB		Internal Method
Optical	Nominal Value	Unit	Test Method
Light Transmittance <sup>4</sup> (Total)	86.0	%	ISO 13468
Haze <sup>4</sup>	3.00	%	ISO 14782

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 23°C/50%RH

<sup>3</sup> UL94

<sup>4</sup> 23°C/50%RH, 3mm thickness