

Toyolac® 910-X01

Methyl Methacrylate / ABS

Toray Resin Company

Message:

Toyolac® 910-X01 is a Methyl Methacrylate / ABS (MABS) product. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Scratch Resistant

General Information			
Features	Scratch Resistant		
Appearance	Clear/Transparent		
Part Marking Code	>MABS<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.10	g/cm ³	ASTM D792
23°C	1.10	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	28	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	57.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	13	%	ISO 527-2
Flexural Modulus (23°C)	2630	MPa	ISO 178
Flexural Stress (23°C)	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	78.0	°C	ISO 75-2/A
Vicat Softening Temperature	85.0 to 90.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (Total, 3000 μm)	87.0	%	ISO 13468
Haze (3000 μm)	3.0	%	ISO 14782

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