

Toyolac® 982-X02

Methyl Methacrylate / ABS

Toray Resin Company

Message:

Toyolac® 982-X02 is a Methyl Methacrylate / ABS (MABS) product. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Flame Retardant

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Appearance	Clear/Transparent		
Part Marking Code	>MABS-FR(16+42)<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.16	g/cm³	ASTM D792
23°C	1.16	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	22	g/10 min	ISO 1133
Molding Shrinkage	0.50 to 0.70	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	46.0	MPa	ASTM D638
23°C	49.0	MPa	ISO 527-2
Tensile Elongation			
Break	10	%	ASTM D638
Break, 23°C	10	%	ISO 527-2
Flexural Modulus			
--	2200	MPa	ASTM D790
23°C	2130	MPa	ISO 178
Flexural Strength			
--	74.0	MPa	ASTM D790
23°C	70.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m²	ISO 179
Notched Izod Impact (23°C, 12.7 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 6.40 mm	77.0	°C	ASTM D648
1.8 MPa, Unannealed	73.0	°C	ISO 75-2/A

Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-2		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (Total, 3000 μm)	84.0	%	ISO 13468
Haze (3000 μm)	5.0	%	ISO 14782

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Recommended distributors for this material

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