

POLYLAC® PA-703TRP

CHI MEI CORPORATION - *Methyl Methacrylate / ABS*

General Information

Product Description

ISO-10993, Transparent, Chemical resistant

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific
	• Europe • Latin America
	• North America
Features	• Chemical Resistant
Uses	• Medical/Healthcare Applications
Agency Ratings	• ISO 10993
Appearance	• Clear/Transparent
Resin ID (ISO 1043)	• >MABS<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.08	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (200°C/5.0 kg)	2.3	cm ³ /10min	ISO 1133
Molding Shrinkage	0.30 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	6820	psi	ISO 527-2/50
Tensile Stress (Break)	4790	psi	ISO 527-2/50
Tensile Strain (Break)	50	%	ISO 527-2/50
Flexural Modulus ²	305000	psi	ISO 178
Flexural Stress ²	8990	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F	3.8	ft·lb/in ²	
73°F	7.1	ft·lb/in ²	
Notched Izod Impact Strength			ISO 180/1A
-22°F	3.8	ft·lb/in ²	
73°F	7.1	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	167	°F	ISO 75-2/A
Deflection Temperature Under Load (264 psi, Annealed)	203	°F	ISO 75-2/A
Vicat Softening Temperature			
--	201	°F	ISO 306/B50
--	216	°F	ISO 306/A50
CLTE - Flow	4.8E-5	in/in/°F	ISO 11359-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Notes

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

² 0.079 in/min

