

POLYLAC® PA-727

CHI MEI CORPORATION - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

Electroplating

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Platable		
RoHS Compliance	• RoHS Compliant		
Resin ID (ISO 1043)	• >ABS<		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.05	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	19	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	6670	psi	ISO 527-2/50
Tensile Stress (Break)	4930	psi	ISO 527-2/50
Tensile Strain (Break)	80	%	ISO 527-2/50
Flexural Modulus ²	290000	psi	ISO 178
Flexural Stress ²	10300	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F	5.7	ft·lb/in ²	
73°F	12	ft·lb/in ²	
Notched Izod Impact Strength			ISO 180/1A
-22°F	5.2	ft·lb/in ²	
73°F	11	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	181	°F	ISO 75-2/A
Deflection Temperature Under Load (264 psi, Annealed)	212	°F	ISO 75-2/A
Vicat Softening Temperature			
--	208	°F	ISO 306/B50
--	221	°F	ISO 306/A50
CLTE - Flow	4.9E-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

