POLYLAC® PA-727 J01

CHI MEI CORPORATION - *Acrylonitrile Butadiene Styrene*

General Information

Product Description			
Electroplating			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Platable		
Appearance	• Black		
Resin ID (ISO 1043)	• >ABS<		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.05	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	19	cm³/10min	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/in²	
73°F	12	ft·lb/in²	
Notched Izod Impact Strength			ISO 180/1A
-22°F	5.2	ft·lb/in²	
73°F	11	ft·lb/in²	
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