

POLYLAC® PA-709K

CHI MEI CORPORATION - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

Super impact

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Features	• High Impact Resistance
Resin ID (ISO 1043)	• >ABS<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.03	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	5.0	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	5800	psi	ISO 527-2/50
Tensile Stress (Break)	4640	psi	ISO 527-2/50
Tensile Strain (Break)	50	%	ISO 527-2/50
Flexural Modulus ²	261000	psi	ISO 178
Flexural Stress ²	8410	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	20	ft·lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	18	ft·lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	190	°F	ISO 75-2/A
Deflection Temperature Under Load (264 psi, Annealed)	208	°F	ISO 75-2/A
Vicat Softening Temperature			
--	201	°F	ISO 306/B50
--	217	°F	ISO 306/A50
CLTE - Flow	5.2E-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

