

POLYLAC® PA-709

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		
RoHS Compliance	• RoHS Compliant		
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)	6.0	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)	4500	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			ISO 179
-22°F	14	ft·lb/in ²	
73°F	18	ft·lb/in ²	
Notched Izod Impact Strength			ISO 180/1A
-22°F	13	ft·lb/in ²	
73°F	18	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	180	°F	ISO 75-2/A
Deflection Temperature Under Load (264 psi, Annealed)	208	°F	ISO 75-2/A
Vicat Softening Temperature			
--	207	°F	ISO 306/B50
--	221	°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

