POLYLAC® PA-704LRP

CHI MEI CORPORATION - *Acrylonitrile Butadiene Styrene*

General Information

Product Description			
Low residual monomer, medical application			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Low Residuals		
Uses	• Medical/Healthcare Applications		
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)	17	cm³/10min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	6820	psi	ISO 527-2/50
Tensile Stress (Break)	4930	psi	ISO 527-2/50
Tensile Strain (Break)	70	%	ISO 527-2/50
Flexural Modulus [2]	319000	psi	ISO 178
Flexural Stress [2]	11000	psi	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-22°F	4.8	ft·lb/in²	
73°F	10	ft·lb/in²	
Notched Izod Impact Strength			ISO 180/1A
-22°F	4.3	ft·lb/in²	
73°F	9.0	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)	208	°F	ISO 75-2/A
Vicat Softening Temperature			
--	212	°F	ISO 306/B50
--	219	°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