



POLYLAC® PA-77NB

CHI MEI CORPORATION - Acrylonitrile Butadiene Styrene

Sunday, November 3, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Low Emissions		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.06	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	10	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	5950	psi	ISO 527-2/50
Tensile Strain (Break)	46	%	ISO 527-2/50
Flexural Modulus ²	305000	psi	ISO 178
Flexural Stress ²	9430	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	9.0	ft·lb/in ²	ISO 179
Notched Izod Impact Strength	10	ft·lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	187	°F	ISO 75-2/A
Heat Deflection Temperature (264 psi, Annealed)	223	°F	ISO 75-2/A
Vicat Softening Temperature			
--	239	°F	ISO 306/A50
--	226	°F	ISO 306/B50
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