



POLYLAC® PA-777C

CHI MEI CORPORATION - Acrylonitrile Butadiene Styrene

Sunday, November 3, 2019

General Information

Product Description

High heat, High impact

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage	0.30 to 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	6380	psi	ISO 527-2/50
Tensile Stress (Break)	5080	psi	ISO 527-2/50
Tensile Strain (Break)	44	%	ISO 527-2/50
Flexural Modulus ²	319000	psi	ISO 178
Flexural Stress ²	10000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-22°F	4.3	ft-lb/in ²	
73°F	8.6	ft-lb/in ²	
Drop Impact Resistance			ASTM D4226
-22°F	0.202	in-lb/mil	
73°F	0.382	in-lb/mil	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	198	°F	ISO 75-2/A
Heat Deflection Temperature (264 psi, Annealed)	234	°F	ISO 75-2/A
Vicat Softening Temperature			
--	246	°F	ISO 306/A50
--	234	°F	ISO 306/B50
CLTE - Flow	4.6E-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