

POLYLAC® PA-777C

Acrylonitrile Butadiene Styrene

CHI MEI CORPORATION

Message:

High heat, High impact

General Information			
UL YellowCard	E56070-245748		
Features	Impact resistance, high		
	Heat resistance, high		
Forms	Particle		
Resin ID (ISO 1043)	>ABS		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	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 - 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	44.0	MPa	ISO 527-2/50
Fracture	35.0	MPa	ISO 527-2/50
Tensile Strain (Break)	44	%	ISO 527-2/50
Flexural Modulus ¹	2200	MPa	ISO 178
Flexural Stress ²	69.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-30°C	9.0	kJ/m ²	ISO 180/1A
23°C	18	kJ/m ²	ISO 180/1A
Drop Impact Resistance			ASTM D4226
-30°C	9.00	J/cm	ASTM D4226
23°C	17.0	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			ISO 75-2/A
1.8 MPa, not annealed	92.0	°C	ISO 75-2/A
1.8 MPa, annealed	112	°C	ISO 75-2/A
Vicat Softening Temperature			
--	119	°C	ISO 306/A50
--	112	°C	ISO 306/B50
CLTE - Flow	8.2E-5	cm/cm/°C	ISO 11359-2

Flammability	Nominal Value	Test Method
Flame Rating (1.5 mm)	HB	UL 94
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	

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