



POLYLAC® PA-757H

CHI MEI CORPORATION - Acrylonitrile Butadiene Styrene

Sunday, November 3, 2019

General Information

Product Description

Better balance in high flow and high impact, High gloss performance.

General

Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Flow	• High Gloss	• High Impact Resistance
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Resin ID (ISO 1043)	• >ABS<		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	g/10 min	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)	40	%	ISO 527-2/50
Flexural Modulus ²	290000	psi	ISO 178
Flexural Stress ²	8850	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	14	ft-lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	13	ft-lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	181	°F	ISO 75-2/A
Heat Deflection Temperature (264 psi, Annealed)	208	°F	ISO 75-2/A
Vicat Softening Temperature			
--	221	°F	ISO 306/A50
--	214	°F	ISO 306/B50
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