



POLYLAC® PA-737 A03

CHI MEI CORPORATION - Acrylonitrile Butadiene Styrene

Sunday, November 3, 2019

General Information

Product Description

White (Similar to RAL 9003), High flow, Medium impact

General

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

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.05	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)	5510	psi	ISO 527-2/50
Tensile Stress (Break)	4500	psi	ISO 527-2/50
Tensile Strain (Break)	20	%	ISO 527-2/50
Flexural Modulus ²	276000	psi	ISO 178
Flexural Stress ²	8560	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	9.0	ft·lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	9.0	ft·lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Annealed)	205	°F	ISO 75-2/A
Vicat Softening Temperature			
--	219	°F	ISO 306/A50
--	207	°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