



POLYLAC® PA-757F

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	• Food Contact Acceptable		
Uses	• Non-specific Food Applications		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05		ASTM D792
Melt Mass-Flow Rate (200°C/5.0 kg)	1.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	6660	psi	ASTM D638
Tensile Elongation ² (Break)	25	%	ASTM D638
Flexural Modulus ³	380000	psi	ASTM D790
Flexural Strength ³	11700	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
73°F, 0.126 in	3.9	ft-lb/in	
73°F, 0.252 in	3.7	ft-lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	186	°F	
Deflection Temperature Under Load (264 psi, Annealed)	203	°F	ASTM D648
Vicat Softening Temperature	221	°F	ASTM D1525 ⁴
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 0.24 in/min

³ 0.11 in/min

⁴ Rate A (50°C/h)