



KIBISAN® PN-117 L100 FG

CHI MEI CORPORATION - Styrene Acrylonitrile

Tuesday, November 5, 2019

General Information

Product Description

Food Contact SAN KIBISAN PN-117 L100 FG

Product Description: Injection molding

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Food Contact Acceptable		
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• >SAN<		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.06	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	32	cm ³ /10min	ISO 1133
Molding Shrinkage	0.20 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	9860	psi	ISO 527-2/50
Tensile Stress (Break)	9860	psi	ISO 527-2/50
Tensile Strain (Break)	6.0	%	ISO 527-2/50
Flexural Modulus ²	435000	psi	ISO 178
Flexural Stress ²	13500	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	0.95	ft-lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	0.95	ft-lb/in ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	192	°F	ISO 75-2/A
Heat Deflection Temperature (264 psi, Annealed)	212	°F	ISO 75-2/A
Vicat Softening Temperature			
--	219	°F	ISO 306/A50
--	216	°F	ISO 306/B50
CLTE - Flow	2.0E-5 to 2.1E-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