



KIBILAC® PW-997

CHI MEI CORPORATION - Acrylonitrile Styrene Acrylate

Sunday, November 3, 2019

General Information

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
RoHS Compliance	• RoHS Compliant		
Processing Method	• Profile Extrusion		
Resin ID (ISO 1043)	• >ASA<		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	7.00	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	6670	psi	ISO 527-2/50
Tensile Stress (Break)	4930	psi	ISO 527-2/50
Tensile Strain (Break)	25	%	ISO 527-2/50
Flexural Modulus ²	305000	psi	ISO 178
Flexural Stress ²	9570	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F	4.8	ft·lb/in ²	
73°F	9.8	ft·lb/in ²	
Notched Izod Impact Strength			ISO 180/1A
-22°F	4.3	ft·lb/in ²	
73°F	9.5	ft·lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	178	°F	ISO 75-2/A
Heat Deflection Temperature (264 psi, Annealed)	208	°F	ISO 75-2/A
Vicat Softening Temperature			
--	223	°F	ISO 306/A50
--	228	°F	ISO 306/A120
--	201	°F	ISO 306/B50
--	207	°F	ISO 306/B120
CLTE - Flow	5.2E-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