

KIBILAC® PW-997

Acrylonitrile Styrene Acrylate

CHI MEI CORPORATION

Message:

KIBILAC® PW-997 is an Acrylonitrile Styrene Acrylate (ASA) product. It can be processed by profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

RoHS Compliant

General Information			
RoHS Compliance	RoHS Compliant		
Processing Method	Profile Extrusion		
Resin ID (ISO 1043)	>ASA<		
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			ISO 527-2/50
Yield	46.0	MPa	
Break	34.0	MPa	
Tensile Strain (Break)	25	%	ISO 527-2/50
Flexural Modulus ¹	2100	MPa	ISO 178
Flexural Stress ²	66.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	10	kJ/m ²	
23°C	21	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A
-30°C	9.0	kJ/m ²	
23°C	20	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			ISO 75-2/A
1.8 MPa, Unannealed	81.0	°C	
1.8 MPa, Annealed	98.0	°C	
Vicat Softening Temperature			
--	106	°C	ISO 306/A50
--	109	°C	ISO 306/A120
--	94.0	°C	ISO 306/B50
--	97.0	°C	ISO 306/B120

CLTE - Flow	9.3E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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