

Stylac™ IC10N

Acrylonitrile Butadiene Styrene
Asahi Kasei Chemicals Corporation

Message:

Stylac™ IC10N is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Africa & Middle East, Asia Pacific, or Europe. Typical application: Industrial Applications.
Characteristics include:
Flame Rated
Antistatic
Conductive

General Information			
UL YellowCard	E171626-225584		
Additive	Antistatic		
Features	Antistatic		
	Electrically Conductive		
Uses	Industrial Applications		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	1.6	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	1.36	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow	0.10 to 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	133	MPa	ISO 527-2/5
Flexural Modulus ¹	10000	MPa	ISO 178
Flexural Stress ²	186	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B
Thermal Conductivity	0.26	W/m/K	ASTM C177
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI Str	60.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	4.0	ohms	ASTM D257
Volume Resistivity	0.50	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	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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