

Esterlloy™ AT11N

Acrylonitrile Butadiene Styrene Alloy

Asahi Kasei Chemicals Corporation

Message:

Esterlloy™ AT11N is an Acrylonitrile Butadiene Styrene Alloy (ABS Alloy) product. It is available in Africa & Middle East, Asia Pacific, or Europe. Typical application: Electrical/Electronic Applications.
Characteristics include:
Clarity
Scratch Resistant

General Information			
UL YellowCard	E171626-100093858		
Features	High Clarity		
	High Scratch Resistance		
Uses	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.12	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	16	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	16.7	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 2.50 mm)	122		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	77.0	MPa	ISO 527-2/5
Flexural Modulus ¹	3600	MPa	ISO 178
Flexural Stress ²	122	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.3	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	79.3	°C	ISO 75-2/A
Vicat Softening Temperature	97.9	°C	ISO 306/B
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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