

Esterlloy™ AT27

Acrylonitrile Butadiene Styrene Alloy

Asahi Kasei Chemicals Corporation

Message:

Esterlloy™ AT27 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	E171626-100093857		
Features	High Clarity		
	Scratch Resistant		
Uses	Electrical/Electronic Applications		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.11	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	14	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	14.4	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 2.50 mm)	117		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	60.0	MPa	ISO 527-2/50
Flexural Modulus ¹	2900	MPa	ISO 178
Flexural Stress ²	94.7	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.2	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	82.0	°C	ISO 75-2/A
Vicat Softening Temperature	104	°C	ISO 306/B
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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