

Stylac™ AE850

Acrylonitrile Butadiene Styrene
Asahi Kasei Chemicals Corporation

Message:

Stylac™ AE850 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, or Europe.
Characteristics include:
Impact Resistant
Medium Viscosity

General Information			
Features	High Impact Resistance		
	Medium Viscosity		
Uses	General Purpose		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.01	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	10	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	10.6	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 2.50 mm)	68		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	29.0	MPa	ISO 527-2/50
Flexural Modulus ¹	1450	MPa	ISO 178
Flexural Stress ²	46.8	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	35	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	74.3	°C	ISO 75-2/A
Vicat Softening Temperature	88.8	°C	ISO 306/B
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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