

Stylac™ AE490

Acrylonitrile Butadiene Styrene
Asahi Kasei Chemicals Corporation

Message:

Stylac™ AE490 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, or Europe. Primary characteristic: high viscosity.

General Information			
Features	High Viscosity		
	Low CLTE		
Uses	General Purpose		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.16	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	7.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	7.35	cm³/10min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	46.5	MPa	ISO 527-2/50
Flexural Modulus ¹	3950	MPa	ISO 178
Flexural Stress ²	78.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.9	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	88.3	°C	ISO 75-2/A
Vicat Softening Temperature	103	°C	ISO 306/B
CLTE - Flow	4.0E-5 to 5.0E-5	cm/cm/°C	ASTM D696
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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