

Stylac AE490

ABS

Asahi Kasei

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	7	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Melt flow index, MFI	7	g/10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
ASTM Data			
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	47	MPa	ISO 527
Flexural modulus, 23°C	3950	MPa	ISO 178
Flexural strength	78	MPa	ISO 178
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	88	°C	ISO 75-1/-2
Vicat softening temperature, B	103	°C	ISO 306
ASTM Data			
Coefficient of Thermal Expansion, MD	45	E-6/K	ASTM D 696

Other properties	Value	Unit	Test Standard
Density	1160	kg/m ³	ISO 1183

Processing Recommendation Extrusion	Value	Unit	Test Standard
Type of extrusion	profile	-	-
Pre-drying - Temperature	75 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Mold temperature	180 - 210	°C	-
Zone 1	120 - 180	°C	-

Characteristics**Processing**

Profile Extrusion, Other Extrusion

Regional Availability

North America, Europe, Asia Pacific