

Stylac 121

ABS

Asahi Kasei

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	14	cm ³ /10min	ISO 1133
Temperature	220	°C	-
Load	10	kg	-
Melt flow index, MFI	14	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	46	MPa	ISO 527
Flexural modulus, 23°C	2450	MPa	ISO 178
Flexural strength	75	MPa	ISO 178
Charpy notched impact strength, +23°C	27	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 109	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	81	°C	ISO 75-1/-2
Vicat softening temperature, B	101	°C	ISO 306
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	75 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Mold temperature	40 - 70	°C	-
Zone 1	180 - 230	°C	-
Zone 2	200 - 240	°C	-
Zone 3	220 - 260	°C	-
Nozzle temperature	210 - 250	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Applications

General Purpose