

Sirmax Dafnelac® SF/B ATX ABS, UV Stabilized

Categories: [Polymer](#); [Thermoplastic](#); [ABS Polymer](#); [Acrylonitrile Butadiene Styrene \(ABS\)](#); [Molded](#)

Material Notes: ABS easy flow and good mechanical properties. Antistatic. UV stabilized.

Application: Refrigerator/ Coffee Machine

Information provided by Sirmax®

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	
Melt Flow	35 g/10 min @Load 2.16 kg, Temperature 230 °C	35 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	50 mm/min; ISO 527-2
Flexural Modulus	2.30 GPa	334 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m ²	7.14 ft-lb/in ²	ISO 180/1A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	ISO 75/Af
Vicat Softening Point	95.0 °C	203 °F	B50; ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 240 °C	410 - 464 °F	ISO 294
Mold Temperature	60.0 - 80.0 °C	140 - 176 °F	ISO 294
Drying Temperature	70.0 - 80.0 °C	158 - 176 °F	
Dry Time	0.500 - 2.00 hour	0.500 - 2.00 hour	

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.