



PHYSICAL PROPERTIES AVONITE® 8094 SNOWFALL FR (M1)

Aristech Surfaces' Avonite Acrylic Solid Surface "Specialty Blend Solid Surface" sheet products in a variety of attractive colors provide exceptionally weatherable, strong, non-porous, scratch and stain resistant material for architectural designs and utilitarian surfaces.

PROPERTY	8094	UNITS	TEST METHOD
General			
Nominal Thickness	12	mm	-
Density	1.75	g/cm ³	ASTM D 792
Water Absorption	0.04	%	ASTM D 570
Mechanical			
Tensile Strength	46	MPa	ASTM D 638
Tensile Modulus	9,963	MPa	ASTM D 638
Tensile Elongation	0.60	%	ASTM D 638
Flexural Strength	65	MPa	ASTM D 790
Flexural Modulus	9,894	MPa	ASTM D 790
Barcol Hardness	62	-	ASTM D 2583
Charpy Impact	58.7	J/m	ASTM D 6110
Ball Impact (½ lb. ball, no failure)	300	cm	NEMA LD3-3.8
Thermal			
DTUL @ 264 psi	98	°C	ASTM D 648
Coefficient of Thermal Expansion	3.5x10 ⁻⁵	cm/cm/°C	ASTM D 696
Boiling Water Resistance	No Effect	-	ISFA 2-01
High Temperature Resistance	No Effect	-	ISFA 2-01
Reaction to Fire	Class M1	-	NFP 92-501
Surface			
Consistency Of Color (Same Sheet)	Passes	-	ISFA 2-01
Light Resistance	No Effect	-	ISFA 2-01
Cleanability/Stain Resistance	Passes	-	NEMA LD3-3.4
Stain Resistance	Passes	-	ANZI/ICPA SS-1
Bacterial Resistance	Does not support microbial growth	-	ASTM G 22
Fungi Resistance	Does not support microbial growth	-	ASTM G 21





Note: for cautions and information on exposure to any Aristech Surfaces' product, please see the applicable material safety data sheet.

Information contained herein is: a) based on Aristech Surfaces' available technical data and experience; b) intended only for individuals having applicable technical skill, with such individuals assuming full responsibility for all design, fabrication, installation, and hazards; c) to be used with discretion and at one's own risk, after consultation with local codes and with one's independent determination that the product is suitable for the intended use; and d) not to be used to create designs, specifications, or installation guidelines. **Aristech Surfaces makes no representation, or warranty, express or implied, and assumes no liability or responsibility as to:** i) the accuracy, completeness or applicability of any supplied information; ii) results obtained from use of the information, whether or not resulting from Aristech Surfaces' negligence; iii) title, and/or non-infringement of third party intellectual property rights; iv) the merchantability, fitness or suitability of the product for any purpose; or v) health or safety hazards resulting from exposure to or use of the product. **Aristech Surfaces shall not be liable for** x) any damages, including claims relating to the specification, design, fabrication, installation, or combination of this product with any other product(s), and y) special, direct, indirect or consequential damages.

