

ri r a Rapid Form I3E i a par ia ro i d o i o a a r i
p i i a orm a d o ma rmo rmi pro a i r or mor i i ri r a
Rapid Form I3E a d op d or p m i ar pa a omo i a do r appi a io

PROPERTY	TYPICAL VALUES	UNITS	TEST METHOD
General:			
Thickness	0.125 (3.17)	Inch (mm)	—
Specific Gravity	1.20	—	ASTMD-792
Mechanical:			
Tensile Strength	10,000 (68.9)	psi (MPa)	ASTMD-638
Tensile Modulus	450,000 (3,102)	psi (MPa)	ASTMD-638
Tensile Elongation	4.5	%	ASTMD-638
Flexural Strength	16,350 (113)	psi (MPa)	ASTMD-790
Flexural Modulus	460,000 (3,171)	psi (MPa)	ASTMD-790
Charpy Impact (Un-notched)	5.6(300)	ft.-lbs./in (J/m)	ASTMD-6110
Falling Dart Impact	3.0 (4.1)	ft.-lbs. (J)	FTMS 406-M-1074
Rockwell Hardness (M)	90-100	—	ASTM D-785
Barcol Hardness	48-52	—	ASTMD-2583
Thermal:			
Hot Forming Temperature	330-350 (166-177)	°F (°C)	Aristech Method
DTUL @ 264 psi (1.82 MPa)	181 (82.7)	°F (°C)	ASTMD-648
Thermal Conductivity	1.4 (20.2)	Btu/(h·ft ² ·°F/in) (W/(m ² ·K/cm))	Cinco-Fitch
Specific Heat	0.35 (1465)	Btu/(lb·°F) (J/(kg·K))	ASTM C-351
Coefficient of Linear Thermal Expansion	- -	in./in./°F (cm/cm/°C)	ASTMD-696
Thermal (continued):			
Thermal Stability 30 min. @ 356°F (180°C)	No degradation	—	ASTMD-4802
Flammability	94 HB	—	UL Test # 94
Miscellaneous:			
Water Absorption	0.33	%	ASTMD-570

PROPERTY	TYPICAL VALUES	UNITS	TEST METHOD
Thermal (continued):			
Thermal Stability 30 min.@ 356°F(180°C)	No degradation	—	ASTMD-4802
Flammability	94 HB	—	UL Test # 94
Miscellaneous:			
Water Absorption	0.33	%	ASTMD-570

For cautions and other information relating to handling of an exposure to this product, please see the applicable material safety data sheet published by Aristech Surfaces LLC.

These instructions are based upon experience with Aristech Surfaces products only. Experience with products of other manufacturers is specifically disclaimed. For most uses, check for local code approval and test for application suitability. These procedures, techniques and suggested materials should only be used by personnel who are properly trained in the safe handling of the chemicals and the equipment with which they are working. Avoid aromatic solvents, clean with mild soap and water, avoid abrasives. These suggestions are based on information believed to be reliable, however, Aristech Surfaces makes no warranty, guarantee, or representation and assumes no obligations or liability as to the absolute correctness or sufficiency of any of the foregoing, or that additional or other measures may not be required under particular conditions or circumstances.

