



## DuPont Corian Solid Surface Technical Data

Property and Test Method	Typical Result
Tensile Strength ASTM D638	6000 psi (41.3 Mpa )
Tensile Modules ASTM D638	1.5 x 10 ps (10.335 Mpa)
Flexural Strength ASTM D790	8000 psi (55.1 Mpa )
Flexural modules ASTM D790	1.2 x 10 psi (8268 Mpa)
Elongation, ASTM D638	0.4 % Minimum
Hardness, Rockwell M Scale, ASTM D785	94
Hardness, Barcol Impresser, ASTM D2583	56
Thermal Expansion, ASTM D696	3.02 x 10 in/in/F (1.8 x 10 mm/mm/C)
Gloss, 60 Degrees Gardner, ANSI Z124	75 , Matte-Highly Polished
Colour Stability, NEMALD-3-3.10	No Change
Wear and cleanability, ANSI Z124.6	Passes
Stain Resistance, Sheets, ANSI Z124.3 and 124.6	Passes
Fungi and Bacteria resistance ASTM G21 and G22	No Attack
Boiling Water Surface Resistance, NEMALD3-3.5	No Visible Change
High Temperature Resistance, 356 F (180 C) NEMALD3-3.5	No Change
Izod Impact, Notched specimen , ASTM D256 Method A	0.28 ft-lb/in of notch ( 0.010 N-m/m)
Impact resistance NEMALD-3-3.3, No Fracture Using	
-1/4" ( 6 mm) Slab	36*(914mm) drop
-1/2" (12 mm) Slab	144*(3658mm) drop
Point impact bowls ANSI Z124.3 & Z124.6	No Cracks or Chips
Water Absorption, Long term, ASTM D570	
-1/4" ( 6 mm) Slab	0.8 %
-1/2" (12 mm) Slab	06 %
Toxicity, Pittsburg Protocol Test (LC50 Test)	99 (solid colors ) ; (Patterned Colors )
Flammability , ASTM E84, All Colors	
Flame spread	<25 (Class 1 / Class A
Smoke developed	<30 (Class 1 / Class A
Specific Gravity	1.7
Weight Per Sq Ft. (M)	
-1/4" ( 6 mm)	2.2 lb(1 KG)
-1/2" (12 mm)	4.4 lb(2 KG)

Available Sizes: ¼ (6mm thick)- 30(760mm)x96\*(2490mm)-1/2 (12 mm thick) 30(760mm)x144\*(3680mm)