



CHEMICAL AND PHYSICAL PROPERTIES

PROPERTIES	TYPICAL RESULTS	TEST PROCEDURE
Tensile strength	6,000 psi	ASTM D 638
Tensile modulus	600,000 psi	ASTM D 638
Flexural strength	10,000 psi	ASTM D 790
Flexural modulus	1,000,000 psi	ASTM D 790
Elongation	0.50%	ASTM D 638
Hardness	92 Rockwell "M" Scale	
65 Barcol Impressor	ASTM D 785	
ASTM D 2583		
Thermal expansion	2.0×10^{-5} in/in F ^o	ASTM D 696
Gloss (60 Gardner)	Between 5 - 20	NEMA LD-3
Color stability	No change-200hrs	NEMA LD-3
Stain resistance	Pass	
Rating 41	ANSI Z 124	
Abrasion resistance	Pass	ANSI Z 124
Boiling water surface resistance	No effect	NEMA LD-3
High temperature resistance	No effect	NEMA LD-3
IZOD Impact resistance (notched)	0.28 ft.lbf/in	ASTM D 256
Ball drop		
12.3 mm sheet	144" w/ 1/2 lb ball, No failure	NEMA LD-3
Fungi and Bacterial resistance	No growth	ASTM G 21, G22
Specific gravity		
Solid colors		
Patterened colors		
	1.72	
	1.69	ASTM D 792

Water absorption	0.04%, (1/2", 24hrs)	
0.11%, (1/8", 24hrs)	ASTM D 570	
Flammability		
Flame spread		
Smoke density	Class A / Class 1	
10		
10	UBC 8-1	
ASTM E 84		
ASTM E 84		
Radiant heat resistance	No visual effect	NEMA LD-3
Toxicity	84.4g (Solid Color)	
81.8g (Patterned Color)	Pittsburgh Test Protocol	
(LC50 Test)		



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