

Iten Industries

Resiten® 600 Performance Values

VALUES AND STANDARDS BASED ON .125" LAMINATE

PROPERTIES	ASTM	COND.	TYPICAL VALUES	NEMA X / XP STANDARD	MIL-I-24768/ 12 (PBM) / 19 (PBM-P) STANDARD
Tensile Strength (psi)	D638				
Lengthwise		A	24400	N/A	N/A
Crosswise		A	16500	N/A	N/A
Flexural Strength (psi)	D790				
Lengthwise		A	29400	25000 / 14000	25000 / 14000
Crosswise		A	23900	22000 / 12000	22000 / 12000
Compressive Strength (psi)	D695				
Edge Lengthwise		A	22200	N/A	N/A
Edge Crosswise		A	20200	N/A	N/A
Izod Impact (notched) (ftlb/in)	D256				
Lengthwise		E48/50	1.1	0.55 / NA	0.55 / NA
Crosswise		E48/50	1.0	0.50 / NA	0.50 / NA
Bond Strength (lbs)	D229				
(0.500" Thick)		A	1055	700	700
(0.500" Thick)		D48/50	490	400	400
Water Absorption (%)	D570	D,24/23	1.96	3.30 / 2.20	3.30 / NA
Specific Gravity (gm/cc)	D792	A	1.42	N/A	N/A
Rockwell hardness (M)	D785	A	65	N/A	N/A
Flammability	UL94	A	94HB	94HB / 94HB	N/A
Dielectric Strength (Vpm)	D149	A	340	N/A	N/A
Dielectric Breakdown (kV)	D149	A	43.0	NA / 40.0	NA / 40.0
		D48/50	3.0	N/A	N/A
Permittivity (1MHz)	D150	A	4.96	N/A	N/A
		D24/23	6.36	N/A	N/A
Dissipation Factor (1MHz)	D150	A	0.0510	N/A	N/A
		D24/23	0.0970	N/A	N/A

Resiten® 600 meets NEMA X, XP and MIL-I-24768 PBM, PBM-P material specifications

Resiten® 600 is an economical paper based phenolic mechanical material exhibiting lower electrical requirements than that requiring NEMA XX. Material usage includes drill board, backer board or as an excellent fixturing media. Advantages are reduced cost and weight compared with steel.

Sheet sizes include: (in) 36 x 48, 48 x 48, 48 x 72, 48 x 96

Locations: **Ashtabula, Ohio 44004** **(440) 997-6134** **Fax (440) 992-3614**
 Addison, Illinois 60101 **(630) 543-2880** **Fax (630) 543-1463**

All values are average test results from typical production material. No warranty is implied or guaranteed and testing is recommended for each application.