TENSILE STRENGTH

Sample Designation: BMMS 7026 BLK 25 | Tested By: T Vitello | Checked By: W Shaffer | Date: 6-5-70

Codes: 060 - Yield Str. | 061 - Yield Str., Elong. | 062 - Tensile Str., Elong. | 063 - Tensile Str., Elong., Modulus | 064 - 063 Plus TPL | 065 - Tensile Str., Elong, Yiled Str. | 066 - 065 Plus Elong. at Yield

Sample Ident.	Width W	Thick T	Load P (Decimal Position Indicated By V)	Extension L_o	Span L_1	Tensile Strength S_T	Spec. Number Y	Yield Load P_Y	Extension at Yield E_Y	TPL
25	1.000	.373	16450			66110	54-1			
26	1.000	.374	16470			66130	55-1			
25	1.000	.359	17490			67490	56-1			
27	1.000	.363	17470			66000	57-1			
25	1.000	.357	16970			65660	62-1			
				4.25		66330				
Thickness Stacking										
	W							Universal	2450	0.175
								Temperature	73°F	
24-1	1.000	.373	16610					Humidity	30%	
		.369	16630					Test	12:30 - 14:00	6-5-70
								Load Rate	5000	0.1
			17470					Speed	25	2.22
			16660					Gauge L - 4.5/2	L - 5.5/3.5/3.0	
			16660					12	6-4.5/2	11.5/11.5	3-29-70
								Coil	L - 4.5/2	11.5/11.5	3-31-70
								12	6-4.5/2	11.5/11.5	3-31-70
								Ready to Test		11.5/11.5	6-4-70

Tens. Str. = $\frac{P}{VT}$ Mod. = $\frac{P_Y L_1}{VTY}$ Elong. = $\frac{L_o}{L_1}$ (100) TPL = $\frac{TPL}{VT}$ Yield Str. = $\frac{P_Y}{VT}$ Yield Elong. = $\frac{E_Y}{L_1}$ (100)

BA 441-171C

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