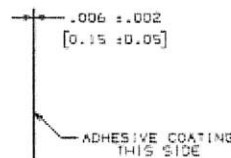
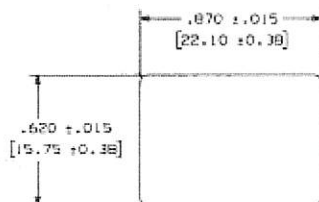


# 53-78-1AC-(.870"x.620"x.006"thk.)-

## TYPICAL PROPERTIES FOR THERMALSIL™ III

Property	Typical value 25°C	Test method
<b>Electrical</b>		
<b>Dielectric constant</b>	2.5@50 Hz	ASTM D-150
	2.5@10 <sup>3</sup> Hz	
	2.5@10 <sup>6</sup> Hz	
<b>Dielectric breakdown voltage</b>	26.3 x 10 <sup>3</sup> volts/mm (667 volts/mil)	ASTM D-149
<b>Volume resistivity</b>	5.7 x 10 <sup>15</sup> ohm-cm	ASTM D-257
<b>Dielectric dissipation factor</b>	0.008@50 Hz	ASTM D-150
	0.004 @10 <sup>3</sup> Hz	
	0.004 @10 <sup>6</sup> Hz	
<b>Physical</b>		
<b>Thickness</b>	0.15mm (0.006 inch)	
<b>Color</b>	Gray-Green	
<b>Tensile strength</b>	6.1 x 10 <sup>7</sup> Pa (8786 psi)	
<b>Hardness, shore A</b>	87	
<b>Elongation</b>	2% or less	
<b>Thermal</b>		
<b>Thermal conductivity</b>	0.92 W/(m °C) (0.532 Btu/hr. ft °F)	
<b>Flame resistance</b>	UL 94V-0	UL card #E-58126 (S)
<b>Service temperature</b>	-60°C to 180°C (-76°F to 356°F)	



THM, 17190-1ACG

C	4/29/10	UPDATED PER ECO #32618	JD
B	12/11/02	CHANGE BOM PER ECO 001604	
A	3/25/01	RELEASE PER ECO #011004	
REV.	DATE	DESCRIPTION	CHK'D
 <b>AAVID THERMALLOY</b> <small>TO COMMERCIAL ST. CONCERN: 3301</small>			
FINISH		DRAWING NO. 035443	
D/D			
MATERIAL: FLUOROPOLYIMIDE BTB			
TOLERANCE UNLESS NOTED		STANDARD DESCRIPTION	
		PAD, BTB, 1008X0, 820X00, 870, A10	
.XX ± .015 ( .38 )	DATE 3/2/01	DRAWN bruno	CHK'D
.XXX ± .010 ( .25 )			APP'D
ANGULAR ± 3°			SCALE 4/1
REF: THM, 53-78-1ACG			SHEET 1 OF 1

ROHS COMPLIANT  
PER AAVID SPEC: ROHS-9000