

# CS Hyde Company

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## PRODUCT INFORMATION

**48-F-1M**

.001" .002" and .005"  
Metalized PET Film

## PRODUCT DESCRIPTION

Typical properties of Metalized PET based on 92 Gauge General Use Film  
Properties of other gauges and finishes of Metalized PET can vary.

## PHYSICAL PROPERTIES:

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
Tensile Strength (MD)	28,000	Psi	ASTM D 882
Tensile Strength (TD)	34,000	Psi	ADTM D 882
Strength Elongation MD	15,000	Psi	ASTM D882
Strength F-5 TD	14,000	Psi	ASTM D 882
Modulus MD	710,000	Psi	ASTM D882
Modulus TD	740,000	Psi	ASTM D882
Elongation MD	115	%	ASTM D 882
Elongation TD	92	%	ASTM D 882
Surface Roughness	38	Nm (nanometers)	Optical Profilometer
Density	1.39	g/cc	ASTM D 1505
Viscosity	0.56	dL/g	ASTM D 4603
Yield	21,000	in <sup>2</sup> /lb	

## THERMAL PROPERTIES:

PROPERTY	TYPICAL VALUE	UNITS	TEST METHOD
Melt Point	254	°C	
Dimensional STABILITY			
At 105° MD	0.6	%	
At 105° MD	0.3	%	
At 105° MD	1.8	%	
At 105° MD	1.0	%	
Specific Heat	0.28	Cal/g/°C	
Thermal Expansion	1.7 x 10 <sup>-5</sup>	In./in./°C	ASTM D 696
UL94 Flame Class	94VTM-2	Slow to self Extinguishing	
*ELECTRICAL CONDUCTIVITY	1.0-.8 ohms per SQ./IN		
*Thermal Conductivity can not be measured			

\*The above values are "Typical Values" which have a nominal range about them and are not intended for specification purposes.