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## CEL-MET- PA METALLIZED NYLON FILM Typical Values Metal One Side, Plain Other Side

A bi-axially oriented nylon 6 film with excellent flex crack resistance and superior reflectivity properties well suited for packaging applications requiring excellent mechanical strength. Excellent oxygen and light barrier properties.

Properties	Typical Value	Units	Test Method
Yield	40,800	in <sup>2</sup> /lb	
Standard Gauge	0.60 15	Mil µm	
Tensile Strength	>32,000	psi	ASTM D882
Puncture Resistance	>2.9	lbf	Pointed probe (ABI)
Elongation at break	120 MD 100 TD	%	ASTM D882
Flex crack	<1	holes/15.5in <sup>2</sup>	900 cycles (ABI)
Haze	≤ 3%		ASTM D1003
Gloss @ 20 deg.	>80		ASTM D2457
Dimensional Stability (320 deg F./160 deg. C - 5min.)	1.6 - 2.5 MD 0.2 - 0.7 TD	% shrinkage	ASTM D1204
Optical Density	2.1 min.	Macbeth	CMP OD-1
Light Transmission	<1.0	%	
MVTR	.2 - 1.0	g/100in <sup>2</sup> /24 hr.	ASTM E-398 (100° F, 90% RH)
OTR	0.02 - .10	cc/100in <sup>2</sup> /24 hr.	ASTM D-3985 (73.4° F, 50% RH)
Coefficient of Friction	Film to Film (static/dynamic)	<0.8/<0.8	ASTM D-1894

The polyester side is in compliance with the regulation FDA 21 CFR 177.1630 (f, g, h)  
 The metallized side is FDA approved for indirect food contact.