



PS216

Product Information

● Product Description

Skyrol® **PS216** is an optically clear polyester film with anti-fog coated on one side and antimicrobial coated on the other side. Anti-fogging treatment prevents fogging in most applications by enhancing visibility and preventing eye fatigue. Antimicrobial treatment helps prevent the spread of deadly microorganisms through the mechanism of stopping growth or killing them. **PS216** is intended for use in the manufacture of face shields that resist non-corrosive fluids.

● Typical Properties

Property	Unit	Value	Test Method
General			
Nominal Thickness	(Gauge) µm	700 (175)	SKC Method
Mechanical			
Tensile Strength	psi MD (Kg/mm2) TD	38,000 (27) 38,000 (27)	ASTM D 882
Elongation At Break	% MD TD	240 160	ASTM D 882
Surface			
Coefficient of Friction	µk (Kinetic) µs (Static)	0.46 0.42	ASTM D1894
Water Contact Angle		Below 20	SKC Method
Anti-Fog Property*	100°F 180°F	PASS PASS	SKC Method
Optical			
Haze	%	0.5	ASTM D 1003
Light Transmission	%	90	ASTM D 1003
Gloss	%	190	ASTM D 523
Thermal			
Heat Shrinkage	% MD TD	0.70 0.90	SKC Method (305°F * 30min)

* Test method is at 100 °F water bath 60 sec test : no fog → PASS
at 180 °F water bath 5 sec test : no fog → PASS

Unit Correlation : N/mm² = Kg/mm² × 9.8, Kg/mm² = psi / 1422.3

SKCA-I-14

This Information is the best currently available on the subject. The results should, however, only be regarded as a general guide to material properties and not as a guarantee. Some of the properties can be changed as a result of supplier's efforts to improve the quality or production efficiency of the subject. Note: Please read the Material Safety Data Sheet(MSDS) carefully prior to use.