

# Suprop® PP-81RT

Polypropylene Film

## Product Description

Suprop® PP-81 RT Polypropylene film is an ionizing radiation tolerant specialty film, specifically engineered to exhibit a lower broad sealing temperature range and maintenance of physical properties after exposure to both ionizing radiation and autoclave sterilization conditions. A universally sterilizable flexible packaging product/component.

## Technical Properties

Property	Test Method	Value at 2.0 mil nominal
Tensile Strength @ Break	ASTM D-882	MD: 4700 psi TD: 3700 psi
Tensile Modulus, 1% Secant	ASTM D-882	MD: 37000 psi TD: 25000 psi
Tensile Elongation @ Break	ASTM D-882	MD: 650% TD: 800%
Elmendorf Tear Resistance	ASTM D-1922	MD: 440 grams TD: 1200 grams
Dart Impact Strength	ASTM D-1709	1400 grams
Gloss (45° angle)	ASTM D-523	8%
Haze	ASTM D-1003	68%
Coefficient of Friction	ASTM D-1894	<0.15
Oxygen Transmission Rate (@ atm., 73°F & 0% RH)	ASTM D-1434	250 cc/100 in <sup>2</sup> /24 hrs.
Water Vapor Transmission Rate (@ 100°F & 90% RH)	ASTM E-96	0.66 g/100 in <sup>2</sup> /24 hrs.
Yield	Internal	15,300 sq.in./lb.

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail [info@spartech.com](mailto:info@spartech.com) or visit our website at [www.spartech.com](http://www.spartech.com)

Customers are responsible for determining whether products and information are appropriate for their use, including the evaluation of all applicable laws. Spartech LLC assumes no liability for the accuracy or completeness of information contained herein, and such information is subject to change without notice. All products supplied are subject to the standard terms and conditions of sale of Spartech LLC. **NO WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, IS MADE BY THIS TECHNICAL DATA SHEET. ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.**