

Korad™ Film

Technical Properties of Free Film*

Technical Properties

Property	Test Method	Value
Thickness		0.003", 0.006"***
Specific Gravity (color dependent)	ASTM D-792	1.26*
Area Yield		49.7 ft ² /lb*
Dimensional Stability	4" disc in air oven 10' @ 176 °F 10' @ 266 °F 10' @ 392 °F	0% 20% 59%
Blocking	6 psi, 16 hours	150 °F
Gloss (60 deg.)	ASTM D-523	68%
Contrast Ratio*	D-589	> 0.98
WVTR	E-96	6 to 9 g/24 hrs/100 sq in/atm
Water Absorption	D-570	1.4% to 1.6%
Tear Resistance	D-1004	1 lbs./mil
Tensile Strength, Yield	ASTM D-882	5,100 psi
Tensile Strength, Break	ASTM D-882	4,800 psi
Tensile Elongation, Yield	ASTM D-882	4.2 %
Tensile Elongation, Break	ASTM D-882	75%
Dielectric Strength	ASTM D-149	2200 volts/mil
Dielectric Constant*	ASTM D-150	4.8 @ 60 c/s
Dielectric Constant*	ASTM D-150	4.4 @ 10(3) c/s
Volume Resistivity	ASTM D-257	1x10 ¹⁶ ohm/cm ³
Surface Resistivity	ASTM D-257	2x10 ¹⁴ ohm/cm ²

*Based on - 0.003" white film

** Other thicknesses can be manufactured on request

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail info@spartech.com or visit our website at 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.**