

CS Hyde Company

1351 N. Milwaukee Ave., Lake Villa, IL 60046
 Ph. 847-395-0325 Fax 847-395-0334
 sales@cshyde.com

PRODUCT INFORMATION

19-__A-BLK

1% Carbon filled Black
 UHMW Film w/ Acrylic
 Adhesive

PRODUCT DESCRIPTION

1% Carbon filled anti-static/conductive Black UHMW-PE is a super tough, abrasion resistant material. It has a high-slip/ non-stick surface similar to that of Teflon™ but UHMW can take eight times the abrasion than that of Teflon™ coated fiberglass and it is also very cost efficient. The UHMW film provides an excellent low friction, non-stick surface, in many ways similar to PTFE. The 19-A-BLK series is pressure sensitive with an aggressive Acrylic adhesive. Very high level of conductivity with a surface resistivity of 10² - 10³, UHMW protects against static build up that occurs in powder conveying and dust collection.

APPLICATION INFORMATION

The 19-A-BLK series is used primarily in mechanical applications such as chute liners, wear pads, and guide rails. It can also be used in such applications as a glide surface for computer mouse. The Acrylic adhesive has a temperature range of 250°F to 350°F – excellent UV, temperature, moisture and chemical resistance.

TECHNICAL DATA

	Test Method	19-5A-BLK	19-10A-BLK	19-20A-BLK
Backing Thickness (in.)		.005	.010	.020
Adhesive Thickness (in.)			.002	
Adhesion			Acrylic	
Elongation (%)	ASTM-D 882		125	
Tensile Strength (psi)	ASTM-D 882		3000	
Water Absorption (%)			0.01	
Specific Gravity/Density (g/cc)			0.9	
Heat Distortion Temp (°F)	ISO R75 Method A		203	
Coefficient of Friction – Kinetic			.11-.14	
Surface Resistivity (ohms/Sq cm)	ASTM-D 257		<10 ³	
Coefficient of Thermal Expansion (in./in/°F)			~1.1 x 10 ⁴	
Thermal Conductivity (73°)[BTU* in) / (Ft ² * hr * °F)]			0.44	



Width: .25" up to 24"
 Length: 18 (or) 36 yards

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