EnviraLine™

Photo Opaque PVC with Hytrel® Liner

Physical Properties

Material Properties	Hytrel - Inner Liner Value (Test Method)	Black Vinyl - Outer Shell Value (Test Method)
Mechanical		
Hardness	55 Shore D (ISO 868)	80 Shore A
Tensile Strenght	6000psi (ISO 527)	2000
Strain at Break	500% (ISO 527)	360%
Flexural Modulus (73°F)	26000psi (ISO 178)	
Thermal		
Brittle Temp	<-148°F (ISO 974)	-25.6°F
Deflection Temperature (0.45Mpa)	160°F (ISO 75f)	160°F
Electrical		
Surface Resistivity	>1E15ohms (IEC 60093)	
Volume Resistivity	4E11ohms*m (IEC 60093)	
Dissipation Factor (1E2 Hz)	90E-4 (IEC 60250)	
Dissipation Factor (1E6 Hz)	375E-4 (IEC 60250)	
Electric Strength	19kV/mm (IEC 60243-1)	
CTI	>600V (IEC 60112)	
Flammability		
Classification (1.5mm)	HB (IEC 60695-11-10)	
Classification (1.5mm)	HB (UL 94)	
Classification (1.0mm)		V-0 (UL 94)
Oxygen Index	20% (ISO 4589-1/-2)	
High Amp Arc Ignition Resistance (3.0mm)	>200 arcs (UL 746A)	
Hot Wire Ignition (3.0mm)	31s (UL 746A)	
Other		
Specific Gravity	1.2	1.35
Sunlight Resistance		720 hours

*This information was provided to Techflex, Inc. by suppliers and other sources believed to credible. It should be used only as a general reference to aid in selection of products. This guide is not intended as a complete nor conclusive database. Techflex, Inc. does not guarantee this information since the effect of any chemical on a material may be affected greatly by temperature, concentration, operating pressure, and presence of other chemicals. Ultimately, the consumer must determine the compatibility of any chemical based on tests done under their particular process conditions.