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## **BUTYL MASTIC JOINT SEALANT** **Technical Specifications**

<b>Chemical Composition</b>	<b>Specification</b>	<b>Requirements</b>	<b>Polylok Sealant</b>
Content of Hydrocarbon - % by weight	ASTM D4-86	50 – 70	56.0
Inert Material Filler - % by weight	AASHTO T III	30 – 50	44.0
Volatile Matter - % by weight	ASTM D-6	2.0 MAX	BELOW 1
<b>Chemical Resistance</b> (Total Immersion 30 Days)			
5% Sulfuric Acid			No visible deterioration
5% Hydrochloric Acid			No visible deterioration
5% Potassium Hydroxide			No visible deterioration
Saturated Hydrogen Sulfide Solution			No visible deterioration
<b>Physical Properties</b>			
Specific Gravity – 77°F	ASTM D-71	1.2 – 1.35	1.27
Ductility -- 77°F	ASTM D-113	5.0 MIN.	10.0
Softening Point -- °F	ASTM D-36	320 MIN.	380
Penetration -- 77°F	ASTM D-217	50 – 120	85
Accelerated Aging (Mechanical oven 4 hours @ 212°F)			Maintained 99+% of Solids Flexibility not affected
Elongation Initial -- 77°F			300% min.
Two Weeks, Total Water Immersion			300% min.
Flow resistance (1" wide overhead joint exposed to 135°F for 7 days)			No Flow
Storage Life			Indefinite
Application Temperature Range			10° - 125°F
Service Temperature Range			-20°F - 200°F

**Conforms to AASHTO M-198B --- SS-S-210A --- ASTM C990**