

Technical Data Sheet

19900 BIO

Description/Application

105C, VW-1 rated non-lead insulation with good flexibility. Ideally suited for 1/64 wall (18 AWG and larger). UL approved for tW, THW, THHW applications. Fungus resistant per ASTM G-21.

Properties	Typical Value	Method
Specific Gravity (+/- 0.02)	1.32	ASTM D-792
Hardness Delayed, Shore A (+/- 3)	91	ASTM D-2240
Tensile Strength, psi	2,450	ASTM D-638
Elongation, %	330	ASTM D-638
100% Modulus, psi	1,800	ASTM D-638
Brittle Point, C	-24	ASTM D-746
Oxygen Index, %	28.0	ASTM D-2863
Volume Resistivity, Ohm-cm 23C and 50% RH	1.5 x E+15	ASTM D-257
Air Aging: 7 days @ 136 C; 30 mil slabs		
Elongation Retention, %	80.1	UL 1581
Oil Aging: 96 hours @ 100 C; 30 mil insulation		
Elongation Retention, %	73.0	UL 1581
Recognitions and Approval		
UL Recognized Component for TW, THW, THHW. VW-1 rated.		
Recommended Stock Temperature	365 F	

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