



TECHNICAL DATA SHEET

Flexible

19461

DESCRIPTION/ APPLICATION

19461 is a flexible extrusion PVC compound formulated for THHN-THWN insulating applications in circuit sizes and THWN-2 insulating applications in 8 AWG and larger. The compound is formulated for maximum service temperature of 105°C and possesses optional listings for Oil Resistance II and UL 720.

GENERAL PROPERTIES

VALUE	METHOD
Specific Gravity (+/- 0.02)	1.32
Hardness Delayed 10 sec, Shore D (+/- 3)	46
	ASTM D-792
	ASTM D-2240

MECHANICAL PROPERTIES

VALUE	METHOD
Tensile Strength, psi	3500
Elongation, %	330
100% Modulus, psi	2350
	ASTM D-638
	ASTM D-638
	ASTM D-638

OTHER PROPERTIES

VALUE	METHOD
Low Temperature Brittle Point, °C	-18
Oxygen Index, %	30.5
	ASTM D-746
	ASTM D-2863
Air Aging: 168 hrs @ 136°C; 30 mil slab	
Elongation Retention, %	87.2
	UL 1581
Oil Aging: 4 days @ 100°C; 30 mil slab	
Elongation Retention, %	82.5
	UL 1581

RECOMMENDED STOCK TEMPERATURE

370°F

RECOGNITIONS AND APPROVALS

UL THHN, THWN (circuit), THWN-2 (8 AWG), VW-1, 720 HR Sunlight, Oil Resistant II

Revision Date: 10/19/2015

IMPORTANT: The technical data herein is believed to be accurate. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product. NO WARRANTY, EXPRESS OR IMPLIED, IS MADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe, any patents.