



UV-20AL - UV Resistant Polyolefin Heat Shrinkable Tubing

SHRINK RATIO 3:1
RoHS COMPLIANT
UL RECOGNIZED COMPONENT
UV RESISTANT

UV-20AL is a highly durable Polyolefin tubing ideal for outdoor applications. The exceptional UV resistance and anti-mildew characteristics allows for long-term use in vigorous weather environments.

UV-20AL Applications

- Highly Flexible, Fast Shrinking, Abrasive Resistant Reinforced UV and Aging Resistant Allows for Outdoor Applications
- Excellent Anti-mildew and anti-acid/alkali, Non Corrosive to Copper and Aluminum



Characteristics

- Operating Temperature: -45° to 125° Celsius
- Shrink Temperature: 105° Celsius
- Glue Melt Temperature: 90° Celsius
- Meets Green-Material Standards
- UL-RSCS approved
- Shrink Ratio: 3:1
- Water Proof
- Environmentally Friendly
- Colors: Standard Color is Black

Adhesive Properties

Property	Test Method	Standard
Water Absorption, %	ASTM D570	<0.2
Softening Point, °C	ASTM E28	90 ± 5
Strength of Peeling, PE	ASTM D 1000	120N/25mm
Strength of Peeling, AL	ASTM D 1000	80N/25mm

Physical and Electrical Properties

Property	Test Method	Standard Value
Tensile Strength, MPa	ASTM D2671	≥ 10.4
Elongation, %	ASTM D2671	≥ 300
Tensile Strength After Aging, MPa	UL224 158°C, 168hr	≥ 7.3
Elongation After Aging, %	UL224 158°C, 168hr	≥ 200
Flammability	ASTM D2671B	Self-extinguish within 30s
Dielectric Strength, kV/mm	IEC 60243	≥ 15
Volume resistivity, Ω-cm	IEC 60093	≥ 10 ¹⁴

Dimensions

Gamma Part No. W/ Size	As Supplied		After Recovery					
	Minimum Inner Diameter		Maximum Inner Diameter		Wall Thickness		Adhesive Thickness	
	mm	inch	mm	inch	mm	inch	mm	inch
UV-20AL-1/8	3.2	0.126	1	0.039	0.95±0.08	0.037±0.03	0.40±0.10	0.016±0.04
UV-20AL-3/16	4.8	0.189	1.6	0.063	1.10±0.08	0.043±0.03	0.40±0.10	0.016±0.04
UV-20AL-1/4	6.4	0.252	2.2	0.087	1.20±0.08	0.047±0.03	0.45±0.08	0.018±0.05
UV-20AL-5/16	7.9	0.311	2.7	0.106	1.35±0.08	0.053±0.03	0.50±0.12	0.020±0.05
UV-20AL-3/8	9.5	0.374	3.2	0.126	1.45±0.08	0.057±0.03	0.50±0.12	0.020±0.05
UV-20AL-1/2	12.7	0.500	4.2	0.165	1.70±0.08	0.067±0.03	0.50±0.12	0.020±0.05
UV-20AL-5/8	15	0.591	5.2	0.205	1.80±0.10	0.071±0.04	0.55±0.15	0.022±0.06
UV-20AL-3/4	19.1	0.752	6.3	0.248	2.00±0.10	0.079±0.04	0.55±0.15	0.022±0.06
UV-20AL-1	25.4	1.000	8.5	0.335	2.10±0.10	0.083±0.04	0.55±0.15	0.022±0.06
UV-20AL-1-1/2	39	1.535	13.5	0.531	2.40±0.10	0.094±0.04	0.55±0.15	0.024±0.06

Color Code: 0=BLK – This tube is only available in black.
P/N Example: UV-20AL-1/4-0 = Black 1/4" Tubing