

ET 301 Thin wall heat-shrink tubing

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SHRINK RATIO

3:1

FEATURES

High shrink ratio
 General cable protection
 Electrical insulation
 Flame resistant

VERSION

● Black

PACKAGING

Box
 Meter length
 Reel

MATERIALS

Crosslinked EVA
 Flame retardants

FIELD OF USE

Continuous operating temperature:
 -55°C ÷ +135°C

Shrink temperature:
 >90°C

APPROVAL / CERTIFICATION

SAE-AMS-DTL-23053/5 class 1
 CSA C22.22 N.198.1-98 OFT.
 UL224 125°C [E 228117]



DIMENSIONS			PACKAGING		
Minimum ID supplied	Max ID recovered	Recovered wall thickness NOM	Reel	Box	Length
mm	mm	mm	m	m	m
D	d	W			
1,5	0,5	0,45	200	15	30
3,0	1,0	0,55	200	15	30
4,8	1,6	0,60	150	-	-
6,0	2,0	0,70	150	10	24
9,0	3,0	0,70	150	8	20
12,0	4,0	0,70	100	7	16
18,0	6,0	0,80	50	4	10
24,0	8,0	1,00	50	3	6
39,0	13,0	1,15	30	-	4

PHYSICAL PROPERTIES			
Description	Test method	Typical value	UM
Tensile strength	ASTM D 638	13	N/nm ²
Elongation at break	ASTM D 638	300	%
Longitudinal change	ASTM D 2671	-10 ÷ +1	%
Water absorption	ASTM D 570	0,2	%
Specific gravity	ASTM D 792	1,45	-

ELECTRICAL PROPERTIES			
Description	Test method	Typical value	UM
Dielectric strength	ASTM D 2671	20	kV/mm
Volume resistivity	ASTM D 257	10 ¹⁶	Ohm cm

THERMAL PROPERTIES			
Description	Test method	Typical value	UM
Heat shock 4h at 250°C	ASTM D 2671	no drip, crack, flow	-
Heat ageing 168h at 175°C	ASTM D 638	elongation 200	%
Low temp flexibility at -55°C	ASTM D 2671 C	no crack	-
Flammability	UL224	pass	-

OTHER PROPERTIES			
Description	Test method	Typical value	UM
Chemical resistance [acid/base]	AMS-DTL-23053/5	pass	-