

Adhesive-lined Heat Shrink Mini Cap



Model: HSMC

Description

Adhesive-lined Heat Shrink Mini Cap (HSEC) is specially designed to provide mechanical and environmental of stub splice in electrical harness. Clear caps allow see-through inspection. Black caps are flame-retardant.

Features

- > 4:1 shrink ratio allows a few sizes to cover a wide range of splice
- > Mechanically tough jacket provides strain relief and abrasion protection.
- > Thick adhesive liner forms an effective barrier against fluids and moisture and performs well at an extended temperature range.
- > Colors: Black or Clear
- > Operating temperature: -40 °C to 105 °C
- > Minimum shrink temperature: 100 °C
- > Minimum fully recovery temperature: 135 °C

Technical Data

Property	Test Method	Typical Data
Tensile strength	ASTM D 2671	10.4Mpa (min.)
Tensile strength after aging 158°C、168 hrs	ASTM D 2671	Remains 70%
Elongation at break	ASTM D 2671	200% (min.)
Elongation at break after aging 158°C、168 hrs	ASTM D 2671	100% (min.)
Longitudinal shrinkage	UL 224	0 to - 10%
Heat shock	250°C、4hrs	No cracking、no dropping
Cold bend -40°C、1hr	ASTM D 2671	No cracking
Voltage withstand AC 2500V、60 seconds	ASTM D 2671	No breakdown

Volume resistance	ASTM D 876	$10^{14} \Omega \cdot \text{cm}$ (min.)
flammability	SAE-AMS-DTL-23053/5	Self extinguish in 30 sec.
Copper corrosion 158°C、168 hrs	UL 224	pass
Water absorption	ASTM D 570	< 0.5%

Specification

HSMC-E mm(inch)

Part Number	Standard Length as supplied (mm)	Inner Diameter as supplied (Min)	Inner Diameter Recovered (Max)	Recovered Total wall Thickness (Min)	Recovered Jacket wall Thickness (Min)	Recovered Adhesive wall Thickness (Min)
HSMC-E-1	30.35	5.72 (0.225)	1.27 (0.050)	1.20 (0.047)	0.64 (0.025)	0.56 (0.022)
HSMC-E-2	30.35	7.44 (0.293)	1.65 (0.065)	1.52 (0.060)	0.76 (0.030)	0.76 (0.030)
HSMC-E-3	40.50	10.85 (0.427)	2.41 (0.095)	1.91 (0.075)	0.89 (0.035)	1.37 (0.054)

HSMC-D mm(inch)

Part Number	Size	Total Length as supplied	Workable Length as supplied	Inner Diameter as supplied (Min)	Inner Diameter recovered (Max)	Recovered Total Wall Thickness
HSMC-D-1	1/8	22.0 (0.87)	12.7 (0.50)	3.2 (0.125)	0.58 (0.023)	1.22±0.15 (0.048±0.006)
HSMC-D-2	3/16	25.4 (1.00)	15.2 (0.60)	4.8 (0.187)	1.52 (0.060)	1.57±0.20 (0.062±0.008)
HSMC-D-3	1/4	28.4 (1.12)	15.2 (0.60)	6.4 (0.250)	2.03 (0.080)	1.98±0.20 (0.078±0.008)
HSMC-D-4	3/8	31.8 (1.25)	18.3 (0.72)	9.5 (0.375)	2.29 (0.090)	2.08±0.25 (0.082±0.010)
HSMC-D-5	1/2	38.1 (1.50)	21.6 (0.85)	12.7 (0.500)	2.29 (0.090)	2.54±0.25 (0.100±0.010)