ALTEC
INDUSTRIAL IDENTIFICATION

Technical datasheet

A332

ADSC SLEEVE

Ask for UL regulations

Description

The A332 ADSC Sleeves are made of a very flexible and self extinguishing polyolefin tubing. UL224 recognized. Meets most industrial the requirements and is dedicated for flattening and thermal transfer printing purposes. The products are supplied on a thermal sensitive cardstock liner converted into a ladder construction offering superb organization of the sleeves. The cardstock liner is die-cutted with cavities where into the sleeves are applied, supported by a backing adhesive.

Material	Cross linked polyolefin - shrink ratio 3:1
Colors	White, yellow, blue, red, black, orange, green, brown, pink, grey
Operating temperature	-55°C to +135°C
Minimum shrink temperature	> 90°C

Liner	White, non-coated, medium range thermal sensitive paper cardstock. Thickness 185 ± 10 µm. Width 109mm ± 0.5mm.
Adhesive backing	Clear, polyethylene film coated with an acrylic-based pressure sensitive adhesive. Thickness 0.10mm. Width 72/85mm.

Physical data

Physical

Properties	Test method	Typical value
Tensile strength	ASTM D 638	> 11 N/mm^2
Elongation at break	ASTM D 638	> 200%
Longitudinal change	ASTM D 2671	≤+5 %, ≤-10%
Specific gravity	ASTM D 792	1.4 g/cm^3
Water absorption	ASTM D 570	0.20%

Electrical

Properties	Test method	Typical value
Dielectric strength	ASTM D 2671	20 kV/mm
Volume resistivity	ASTM D 257	10^{14} Ω cm

Chemical

Properties	Test method	Typical value
Fungus resistance	AMS-DTL-7444	Pass, no growth
Chemical resistance	SAE-AMS-DTL-23053/5	Good

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Thermal

Properties	Test method	Typical value
Heat shock (250°C x 4h)	ASTM D 2671	No dripping, cracking or flowing, pass
Heat aging (175°C x 168h)	ASTM D 638	Elongation 200%
Copper corrosion	ASTM D 2671 B	Pass
Low temperature flexibility (-55°C x 4h)	ASTM D 2671 C	No cracking
Flammability	UL224	VW-1, pass

Storage

Store in original packaging. Recommended temperature at +10°C to +25°C and 45-55% relative humidity.
Use within 3 years from date of manufacture.

Compliances

UL224 RoHS compliant

Based on the information about component materials which are described in our data sheets, we evaluate that we do not intentionally use the chemical substances mentioned in the paragraph < **Chemical** >, in a concentration above 0,1 % in state of delivery.

Evaluation Chemical Substances:

- Reach Candidate List of Substances of Very High Concern (SVHC), authorized by the European Chemicals Agency, last inclusion on the 17th Jan 2022 related to Article 33 of the REACH regulation
- REACH amendment EU 2018/1513 Annex XVII
- REACH Ammendment EU 2018/2005 Annex XVII
- RoHs compliant to EU Commision Directive 2011/65/EU
- 2015/863/EU annex II

Applications

Common uses include marking, insulation, wire bundling and mechanical protection.

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