

PO3510

ADSC SLEEVE



Description

The PO3510 ADSC Sleeves are made of a very flexible and self extinguishing polyolefin tubing. UL224 recognized. Meets most industrial 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	Liner	White, non-coated, medium range thermal sensitive paper cardstock. Thickness $185 \pm 10 \mu\text{m}$. Width $109\text{mm} \pm 0.5\text{mm}$.
Colors	White, yellow, blue, red, black, orange, green, brown, pink, grey		
Operating temperature	-55°C to +135°C		
Minimum shrink temperature	> 90°C	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	$\leq +5\%$, $\leq -10\%$
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	$10^{14} \Omega \text{ cm}$

Chemical

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

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

Applications

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

Disclaimer

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