

Croysleeve SE5559 Cable Sleeve, made of UL-approved Silicone Rubber

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ABOUT THIS PRODUCT

SE5559 UL is an extruded silicone elastomer sleeve. SE5559 UL is used in many applications including the insulation of lead-outs and connections in transformers and coils employing fine gauge winding wire. SE5559 UL is also used to insulate carbon brushes and thyristor connections. This sleeving can be supplied in reels, hanks or cut lengths.



FEATURES & BENEFITS

- Flexible
- Resistance to soldering
- Operating temperature -60°C to 250°C

APPLICATIONS

- Lead-outs
- Connections in transformers and coils employing fine gauge winding wire
- Insulate carbon brushes and thyristor connections

MATERIAL DATA

THERMAL CLASSIFICATION	CLASS H (180°C)
MAXIMUM SHORT-TERM TEMPERATURE	250°C
BORE SIZES	05-125.0mm
WALL THICKNESS	From 0.2mm
ELECTRICAL STRENGTH	1.0kV per 0.1mm wall thickness
APPEARANCE	Brown
SPECIFIC GRAVITY	1.28-133
UL FILE NO	E36952

TYPICAL PROPERTIES OF CURED COMPOUND

PROPERTY		VALUE	
ASTM METHOD	Formulation of Test Specimens	Typical Properties	Release Specification
	Curing Agent Type:	2.5 Dimethyl-2, 5 Di(butyl peroxy) Hexane 50% Active	
	Curing Agent Level	0.8 parts	
PHYSICAL PROPERTY		NON-FLAMING	FLAMING
D-2240	Hardness, Shore A	54	57+5
D-412	Tensile Strength, psi (Mpa)	1190 (19.3)	1100 (7.6) min
D-412	Elongation, %	560	500 min
D-624	Tear Resistance, Die B, ppi (KN/m)	110 (19.3)	80 (14) min
D-395	Compression Set, % 70 hrs, @ 100°C	18	
	70 hrs. @ 150°C	30	
D-2632	Resilience %	45	
	Linear Shrinkage %	3.8	
	Specific Gravity	1.30	1.28-133
COMBUSTION		NON-FLAMING	FLAMING
U.L.94	Flame Extinguishing Time (Sec)	7	50 Max
	NBS Smoke Chamber	Specific Optical density DM Corrected	47
	Time tp 90% (DM (Min.))	15.7	11.1
	Gas evolution (ppm) Carbon Monoxide	18	350
	Hydrogen Chloride	0	0
	Hydrogen Bromide	0	0
	Hydrogen Fluoride	0	0
	Hydrogen Cyanide	0	0
	Sulfur Dioxide	0	0
ELECTRICAL			
D-257	Volume Resistivity (ohm-cm)	5x10 ¹⁵	
D-149	Dielectric Strength (V/mil)	Specific Optical density DM Corrected	
	Ac	50	
	Dc	≥1400	
ELECTRICAL			
D-150	Dielectric Constant and Power Factor	Dielectric Constant	Power Factor
	102 Hz	3.1	0.004
	103 Hz	3.1	0.003
	104 Hz	3.1	0.002
	105 Hz	3.1	0.001
	106 Hz	3.1	0.004