



End Cap SKE

Heat Shrinkable Moulded Parts



1. Product Description

3M Heat shrinkable end caps are typically used to seal cable ends and provide mechanical and environmental protection. They are made from halogen free, semi-rigid, cross-linked modified polyolefin material, which is internally coated with hot melt adhesive. When heated the adhesive melts and the part shrinks forming a perfect watertight seal. They can be used for insulating/sealing of cable ends in indoor and outdoor applications.

2. Typical Properties

Physical Properties	Value	Test Method
Density	1.05 ± 0.2 g/cm ³	ASTM D1505/D=M/V
Hardness	45 ± 3 shore D	ASTM D2240
Tensile strength	10 N/mm ²	ASTM D412 / ISO 37
Ultimate elongation	300 %	ASTM D412 / ISO 37
Water absorption	0.15 %	ASTM D570 / ISO 62
Longitudinal Shrinkage	10 %	-
Recovery Temperature	120 °C	IEC - 216
Peel strength	100 N/25 mm	Rolling Drum method

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Thermal Tests		
Operating temperature range	- 30 °C, + 135 °C	DIN 53 466
Thermal ageing (150 °C for 168 hrs)		
Tensile strength	8 N/mm ²	ASTM D412 / ISO 37
Ultimate elongation	200 %	ASTM D412 / ISO 37
Flammability	Not self-extinguishing	ASTMD 876
Low temperature flexibility	- 40 °C	ASTMD 2671C
Electrical Properties		
Volume resistivity	1 x 10 ¹³ Ohm-cm	ASTM D-257 / IEC 93
Dielectric strength	10 kV/mm	ASTM D-149 / IEC 243
Chemical Properties		
Corrosion	None	ASTM D 2671

The above figures are average values, established to our best knowledge, but not to be used for specification purpose.

3. User Information

3.1 Selection Guide

Product Description	Application Range	Ø Exp.	Ø Recov.	Length Recov.	Wall Thickness Recov.
	mm	mm	mm	mm	mm
SKE 4/10	4 - 8	10	4	40	2.5
SKE 8/20	8 - 16	20	8	65	2.5
SKE 15/40	15 - 32	40	15	105	3.0
SKE 25/63	25 - 51	63	25	160	4.5
SKE 30/76	30 - 61	76	30	140	4.5
SKE 45/100	45 - 80	100	45	160	4.0
SKE 63/158	63 - 126	158	63	190	4.0

3.2 Shelf Life and Storage

This product has a 5-year shelf life from date of manufacture when stored in a humidity controlled area (10 °C to 27 °C and <75 % relative humidity).

4. Additional Information

To request additional product information, see address below.

Important Notice

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluates the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application.

Values presented have been determined by standard test methods and are average values not meant to be used for specification purposes.

All questions of warranty and liability relating to 3M products are governed by the terms of the respective sale subject, where applicable, to the prevailing law.

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