



深圳市沃尔核材股份有限公司  
SHENZHEN WOER HEAT-SHRINKABLE MATERIAL CO.,LTD.

## Product Specification

Product Name	Heat Shrink Cable Entry Seal	Supplier Code	
Specification	All Specifications	Customer Code	

Supplier Approval (Shenzhen Woer Heat-shrinkable Material Co., Ltd.)

Drafted/Date	Verified/Date
Wei Wei/June 3, 2021	Hu Jun/June 3, 2021

Customer Approval

Customer Approval /Date		
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## 1. Scope

This approval specifies technical requirements, test, package, storage methods of the heat shrink cable entry seal.

## 2. Standards

ASTM-D-638 (GB/T 1040)

Standard test methods for tensile properties of plastics

IEC 60093 (GB/T 1410)

Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials

IEC 60243 (GB/T 1408)

Electrical strength of insulating materials-Test methods

ASTM-D-5510 (GB/T 7141)

Plastics-Methods of heat aging

ISO62 (GB/T 1034)

Plastics-Determination of water absorption

## 3. Technical requirements

### 3.1 Appearance

The surface of the heat shrink cable entry seal. should be smooth and clean, and free of pinholes or cracks visible to the unaided eye.

### 3.2 Heat shrink properties

Start to shrink at 100°C, and fully recovered at 130°C

### 3.3 Physical and chemical properties: See Table 1

### 3.4 Product specification: See Table 2.

## 4. Package, Transportation and Storage

### 4.1 Products can be packed according to customer' s requirement.

### 4.2 These products are non-hazardous. Keep in clean, cool, dry, well-ventilated storage area. During transportation and storage, pay attention to rain and sun and keep away from sources of ignition.

Table 1. Technical Data

No.	Property	Test Method	Standard Value
1	Tensile Strength	ASTM-D-2671	$\geq 10\text{MPa}$
2	Elongation at Break	ASTM-D-2671	$\geq 300\%$
3	Tensile Strength Variation After Heat Aging (130°C × 168h)	ASTM-D-5510	$\leq \pm 20\%$
4	Elongation at Break Variation After Heat Aging (130°C × 168h)	ASTM-D-5510	$\leq \pm 20\%$
5	Water Absorption	ISO 62	$\leq 0.1\%$
6	Dielectric Strength	IEC 60243	$\geq 20\text{kV/mm}$
7	Volume Resistivity	IEC 60093	$\geq 1 \times 10^{14} \Omega \cdot \text{cm}$

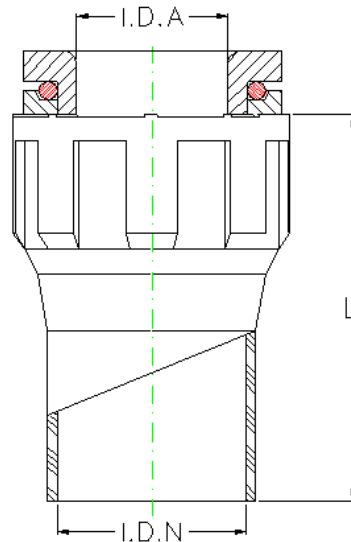


Table 2 Product Specification

Spec.	Length/mm ( $\pm 5$ )	I. D. N/mm		I. D. A/mm ( $\pm 5$ )
		As Supplied Min	After Recovered Max	
$\Phi 50$	<u>95</u>	45	19	41
$\Phi 70$	<u>162</u>	70	36	74

Shenzhen Woer Heat-shrinkable Material Co., Ltd.

Power Division

June 3, 2021