

# Polyethylene Separator For Lithium Battery

Item Number: BC-18



## Introduction

The polyethylene separator is a key component of lithium-ion batteries, located between the positive and negative electrodes. They allow the passage of lithium ions while inhibiting electron transport. The performance of the separator affects the capacity, cycle and safety of the battery.

[Learn More](#)

Material:	SK single layer PE film
thickness:	16 $\mu$ m
width:	115mm
Air permeability:	200s
Porosity:	44%
Heat shrinkage rate:	Vertical 3% Horizontal 1%
tensile strength:	Vertical 1200kgf/cm <sup>2</sup> Horizontal 1200kgf/cm <sup>2</sup>
Storage conditions:	The best storage environment temperature is 25 $\pm$ 3 $^{\circ}$ C, humidity is 30%-70%, moisture-proof