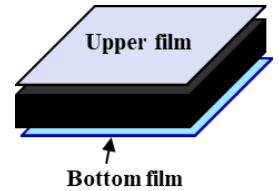


## TYSR SERIES

■ **TYSR Series** prevents excessive temperature rise in battery cells under normal conditions and transforms into a flame-retardant foam in case of a fire, slowing the spread of fire and enabling comprehensive thermal management of the battery system.

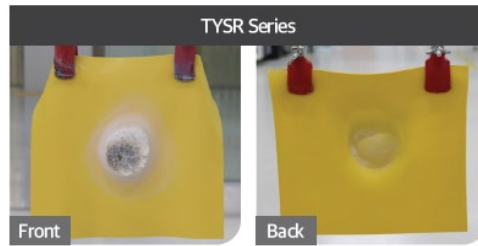
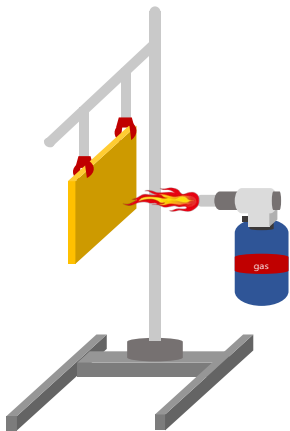
### ■ Features

- Excellent insulation performance
- Converts into a flame retardant foam to prevent thermal runaway (TR) in the cells
- Excellent flame retardant performance : meet UL94 V-0 level
- Satisfies RoHS and REACH standards



### ■ Performance Data

- Test Method : The pad was exposed to a torch flame of over 1000 °C at a fixed distance.



The pad ruptured, and residual flames were observed



The pad remained intact, With no residual flames.

### ■ Standard products

TYSR series	Test method	TYSR-20
Appearance / Color	-	Yellow
Density [g/cm <sup>3</sup> ]	ASTM D792	2.0
Thermal conductivity [W/m·K]	ASTM D5470	2.0
Hardness [Shore 00]	ASTM D2240	55
Breakdown Voltage [kV/mm]	ASTM D149	> 10
Volume Resistivity [Ω·cm]	ASTM D257	10 <sup>10</sup>
Flammability	UL94	V-0

\* Thickness can be customized according to the specifications desired by the customer