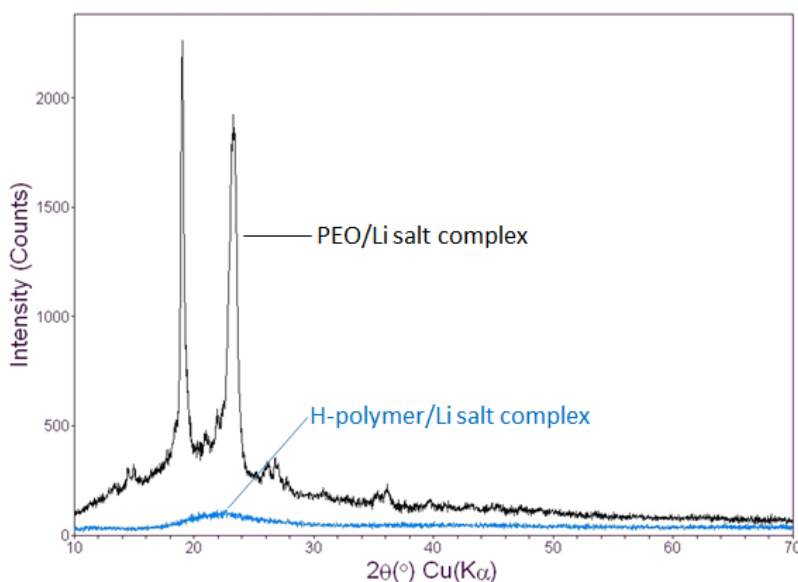


## PHYSICAL CHARACTERISTICS

<b>Components:</b>	PEO-based polymer electrolyte with lithium salt
<b>Form:</b>	Solid monolith
<b>Color:</b>	Yellowish / off-white
<b>Crystallinity:</b>	Amorphous
<b>Glass Transition Temperature:</b>	< 0 °C
<b>Ionic Conductivity:</b>	5 x 10 <sup>-5</sup> S/cm (@ RT)



XRD patterns of H-polymer and PEO

## USES

1. H-polymer can be used as a separator, by itself, or in combination with an inorganic solid electrolyte.
2. H-polymer can also be used as a lithium-ion conductive binder to reduce the interfacial resistance between cathode or anode particles.

## APPLICATION NOTES

1. H-polymer readily dissolves in common organic solvents such as acetonitrile.
2. A 10 – 20% by weight concentration is recommended.
3. As a conductive binder, H-polymer can replace part of the PVDF binder and is soluble in NMP.

## STORAGE & HANDLING

### Precautions for Safe Handling

Appropriate personal protective equipment should be used at all times. Avoid contact with eyes and skin. Toxic if swallowed or in contact with skin. Provide good ventilation or extraction, and avoid breathing vapors. Avoid formation of dust.

### Conditions for Safe Storage

Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects

**Refer to SDS for complete information on the safe handling of this material.**

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