

# KYNAR<sup>®</sup> HSV 1800

**Kynar<sup>®</sup> HSV1800** is a commercial functional homopolymer of vinylidene fluoride, specifically designed to be used as a cathode binder in Lithium Ion Batteries.

## Main Characteristics:

- High adhesion
- Excellent cathode slurry stability with Nickel Manganese Cobalt Active Materials
- High molecular weight
- Functional

PROPERTIES	VALUE	UNIT	TEST STANDARD
<b>RHEOLOGICAL PROPERTIES</b>			
Melt Viscosity, 230°C, 100 s <sup>-1</sup>	80 - 85	kPoise	ASTM D3835
<b>THERMAL PROPERTIES</b>			
Melting Point	161 - 167	°C	ASTM D3418
<b>OTHER PROPERTIES</b>			
Density	1780	kg/m <sup>3</sup>	ISO 1183
	1.78	g/cm <sup>3</sup>	
Specific Gravity, 73 °F	≥1.78	-	ASTM D792
<b>POWDER PROPERTIES</b>			
Appearance	White spheroidal powder	-	Visual

## MAIN APPLICATIONS:

- Battery

### [Slurry preparation](#)

<b>PROCESSING</b> Coating, Casting	Headquarters: Arkema France 420 rue d'Estienne d'Orves 92705 Colombes Cedex France T +33 (0)1 49 00 80 80 hpp.arkema.com
<b>DELIVERY FORM</b> Powder	
<b>REGIONAL AVAILABILITY</b> North America, Europe, Asia Pacific, South and Central America, Near East/Africa	
	Arkema Inc. – High Performance Polymers 900 First Avenue King of Prussia, PA 19406 Tel.: +1 610 205 7000 hpp.arkema.com

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