

TECHNICAL DATA SHEET

KYNAR® HSV 1800 POWDER

FLUORINATED HOMOPOLYMER POWDER

KYNAR® 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

DESIGNATION

PVDF

MAIN APPLICATIONS

- Battery Binder

DELIVERY FORM

- Powder

RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Melt viscosity, 230°C (445°F) at 100 s-1	75 - 85 kPo	ASTM D3835

THERMAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Melting temperature, 10°C/min	165 °C	ASTM D3418

OTHER PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Specific gravity, 23°C (73°F)	1.78 g/cm ³	

SPECIAL CHARACTERISTICS

- Flame & smoke

Headquarter: Arkema France
 420, rue d'Estienne d'Orves
 92705 Colombes Cedex – France
 T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.

Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790