

TECHNICAL DATA SHEET

KYNAR® HSV 1810 POWDER

FLUORINATED HOMOPOLYMER POWDER

KYNAR® HSV1810 is a 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 Rich Active Materials
- High molecular weight
- Functional

DESIGNATION

PVDF

MAIN APPLICATIONS

- Automotive - BIW

DELIVERY FORM

- Powder

RHEOLOGICAL PROPERTIES

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

THERMAL PROPERTIES

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

OTHER PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Apparent density, 23°C (73°F)	1.78 g/cm³	ASTM D92

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