



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

TYPE

PVDF

MAIN APPLICATIONS

- Battery Binder

DELIVERY FORM

- Powder

RHEOLOGICAL PROPERTIES

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

THERMAL PROPERTIES

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

OTHER PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Specific gravity, 23°C (73°F)	1.78	g/cm³	

PACKAGING

Available packaging:

- 20 kg / 45 lb metal drum
- 20 kg / 45 lb plastic drum

SPECIAL CHARACTERISTICS

- Flame & smoke