KYNAR®

TECHNICAL DATA SHEET

KYNAR® HSV 1810 POWDER

FLUORINATED POLYMER POWDER

Kynar® HSV1810 is a functional high molecular mass polyvinylidene fluoride, specifically designed to be used as NMC cathode binder in Lithium-ion battery cells.

TYPE

PVDF

MAIN APPLICATIONS

- battery

DELIVERY FORM

- Powder

RHEOLOGICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Melt viscosity, 230°C (446°F) at 100 s-1	75	kPo	ASTM D3835
Solution viscosity, 5% PVDF, 10 s-1	230	cPo	GB/T 10247

THERMAL PROPERTIES

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

OTHER PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Particle Size Distribution (PSD), median particles size (D50)	25	µm	GB/T 19077
Metal content, metals (Cr, Fe, Co, Ni, Cu, Zn)	< 5 each	ppm	Internal Arkema
Density, 23°C (73°F)	1.78	g/cm³	ISO 1183-1

PACKAGING

Available packaging:
- 20 kg / 44 lb boxes

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