KYNAR®

TECHNICAL DATA SHEET

KYNAR® HSV 900 POWDER

FLUORINATED HOMOPOLYMER POWDER

Kynar® HSV900 is a high molecular mass homopolymer of vinylidene fluoride, principally used as LFP cathode and edge coating binder in Lithium-ion battery cells.

TYPE

PVDF

POTENTIAL APPLICATIONS

- Battery

DELIVERY FORM

- Powder

RHEOLOGICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Melt viscosity, 230°C (446°F) at 100 s-1	50	kPo	ASTM D3835
Solution viscosity, 5% PVDF, 16.8 s-1	510	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 particle size (D50)	10	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

REGIONAL AVAILABILITY

World

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