KYNAR®

TECHNICAL DATA SHEET

KYNAR® HSV 302 POWDER

KYNAR® HSV 302 IS A FUNCTIONAL HIGH MOLECULAR MASS HOMOPOLYMER OF VINYLIDENE FLUORIDE, SPECIFICALLY DESIGNED TO BE USED AS CATHODE BINDER IN LFP LITHIUM-ION BATTERY CELLS FOR HIGHER ADHESION.

Kynar® HSV 302 is a functional high molecular mass homopolymer of vinylidene fluoride, specifically designed to be used as cathode binder in LFP Lithium-ion battery cells for higher adhesion.

MAIN APPLICATIONS

- Battery
- Thermoplastics

RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Melt viscosity, 230°C (445°F) at 100 s-1	80	kPo	ASTM D3835
Solution viscosity	710	cPo	

THERMAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Melting temperature	165	°C	ASTM D3418

OTHER PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Median particles (D50)	30	µm	GB/T 19077
Moisture absorption	< 0.4	%	GB/T 6283
Metal content, Metals (Cr, Mn, Fe, Co, Ni, Cu, Zn)	< 0.5 each	ppm	Internal Arkema
Density, 23°C (73°F)	1.78	g/cm³	ISO 1183-1

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