

TECHNICAL DATA SHEET

KYNAR® HSV 302 POWDER

FLUORINATED POLYMER POWDER

Kynar® HSV302 is a high molecular mass homopolymer of vinylidene fluoride, principally used as LFP cathode binder in Lithium-ion battery cells.

MAIN APPLICATIONS

- Battery

RHEOLOGICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Melt viscosity, 230°C (446°F) at 100 s-1	80	kPo	ASTM D3835
Solution viscosity, 7% PVDF, 10 s-1	710	cPo	GB/T 10247

THERMAL PROPERTIES

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

OTHER PROPERTIES

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

Headquarters: Arkema France
51, Esplanade du Général de Gaulle
92800 Puteaux – France
T +33 (0)1 49 00 80 80

Disclaimer - Please consult Arkema's disclaimer regarding the use of Arkema's products on <https://www.arkema.com/global/en/products/product-safety/disclaimer/> which is incorporated herein by reference and made a part hereof.
Arkema France, a French société anonyme registered at the Trade and Companies Register of Nanterre under the number 319 632 790
arkema.com



Zhuhai CosMX Battery Co. EX1042
CosMX v. Ningde
IPR2025-00524