

TECHNICAL DATA SHEET

KYNAR® POWERFLEX LBG

FLUORINATED COPOLYMER POWDER

Kynar Flex® LBG is a fluorinated copolymer designed for lithium battery separator coating. It can be used either in solvent-based processes or water-based (powder redispersion) processes.

TYPE PVDF MAIN APPLICATIONS Battery Binder	DELIVERY FORM Powder
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RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Melt viscosity, 230°C (445°F) at 100 s-1	34-38	kPo	ASTM D3835

THERMAL PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Melting temperature, 10°C/min	153	°C	ASTM D3418

OTHER PROPERTIES

PROPERTIES	VALUE	UNIT	TEST STANDARD
Water absorption	< 0.3	%	
Metal content, Metals (Cr, Mn, Fe, Co, Ni, Cu, Zn)	< 5 each	ppm	Internal Arkema
Particle Size Distribution (PSD), Medium size particles (D50)			GB/T 19077
Moisture absorption	< 0,3	%	GB/T 6283
Density, 23°C (73°F)	1.78	g/cm³	ISO 1183-1

PACKAGING

Available packaging:

- 20 kg / 44 lb boxes

SPECIAL CHARACTERISTICS

- Flame & smoke

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