

TECHNICAL DATA SHEET

KYNAR® FLEX LBG 2200LX

FLUORINATED COPOLYMER LATEX

Kynar Flex® LBG2200LX is a lithium ion battery grade latex of vinylidene fluoride and hexafluoropropylene designed for high performance.

Main Characteristics:

- Same backbone as the well-known Kynar Flex® LBG grade
- High solid content
- Very stable latex

DESIGNATION

PVDF

MAIN APPLICATIONS

- Battery Binder

DELIVERY FORM

- Latex

RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Melt viscosity, 230°C (445°F) at 100 s-1	32-37 kPo	ASTM D3835
Solution viscosity	< 10 cPo	
Shear stability, at 1500 rpm	>30 minutes	

THERMAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Melting temperature, 10°C/min	148-154	ASTM D3418
Boiling point	100 °C	
Thermal degradation temperature	> 270 °C	

OTHER PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
pH	3-4	
Solution viscosity	<10 cPo	
Active content	27-31 %	
Specific gravity	1.1 g/cm ³	
Stable latex, pH range	2-10	
Particle size polydispersity (volume weighted / number weighted)	<1.10 µm	
Particle size (volume weighted)	0.1-0.2 µm	
Number of particles per gram of resin	10e14-10e15	
Volatile Organic Compounds (VOC) content	5-9 g/kg	

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SPECIAL CHARACTERISTICS

- Flame & smoke