

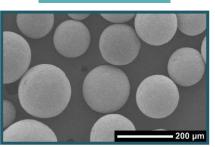
High Performance Binder for Electrode

KUREHA KF POLYMER

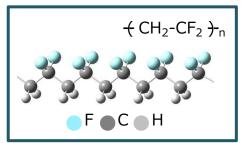
- ♦ KUREHA KF POLYMER is a high performance Polyvinylidene Fluoride (PVDF) with various characteristics.
- Long history of usage since the world's first lithium-ion battery (LiB) was commercialized in 1991.
- Suitable for LiB thanks to its high adhesive property, chemical resistance and fine electrochemical stability.
- Widely applied for not only consumer electronics but also automobiles, industrial tools and energy storage devices.
- Broad lineup such as high molecular weight type and modified type with functional group, in both powder and liquid form.



SEM Image



Molecular Structure (Image)



■ Powder Type

Grade No.	W#1100	W#1300	W#1700	W#7200	W#7300	W#9100*	W#9300**	* W#9700*
Molecular Weight (M _w) ×10 ⁵	2.8	3.5	5.0	6.3	>10	2.8	>10	8.8
Polymer Type		Ho	omo-polyme	*Modified polymer **Modified co-polymer				
Inherent Viscosity [dl/g]	1.1	1.3	1.7	2.1	3.1	1.1	3.1	2.5

■ Liquid Type (NMP solution)

Grade No.	L#1120	L#1320***	L#1710***	L#7208	L#7305	L#9130	L#9305
Equivalent Powder Grade	W#1100	W#1300	W#1700	W#7200	W#7300	W#9100	W#9300
Resin Content [wt%]	12	12	10	8	5	13	5
Solution Viscosity [mPa·s]	550	1,000	1,700	2,000	1,800	950	2,100

***Made-to-order grades

These data are representative values and not guaranteed. All data were measured by Kureha.

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