

fumion® FL Dispersions

General

fumion FL dispersions are per-fluorinated sulfonic acid/PTFE copolymers in the H⁺-form, intended for fabrication of films and coatings for fuel cell and electrochemical applications.

The dispersion types fumion FLA-805/905/1005 are fumion polymers with different equivalent weights in the acid form dissolved in water.

The dispersion types fumion FLNA-905/1005 are fumion polymers with different equivalent weights in the acid form dissolved in N-Propanol/water.

The dispersion types fumion FLN-805/810/905/910/1005/1010 are fumion polymers with different equivalent weights in the acid form dissolved in N-Propanol.

The dispersion types fumion FLD-805/810/820/905/910/1005/1010/1020 are fumion polymers with different equivalent weights in the acid form dissolved in N,N-Dimethylacetamide.

Dispersions are identified by polymer type and identification number (Lot.-Number). Please refer to this type and identification number in case of queries.



Handling

Before handling and processing the Material Safety Data Sheet should be noted.

Delivery information

Please note!

No international shipment of the dispersion types fumion FLN-805/810/905/910/1005/1010 and FLNA-905/1005.

Hazardous material:

N-Propanol, 3, UN 1987, II, flammable liquid

Composition

Polymer dispersion	min. Polymer content (wt%)	approx. Water content (wt%)	approx. N-Propanol (wt%)	approx. DMAc (wt%)	Specific gravity (g/cm ³)	Acid capacity (H ⁺ , meq/g)
FLA-805	min. 5	95±1	-	-	1,0	1,25±0,03
FLA-905	min. 5	95±1	-	-	1,0	1,1±0,02
FLA-1005	min. 5	95±1	-	-	1,0	1,0±0,02
FLNA-905	min. 5	45±2	50±2	-	0,92-0,94	1,1±0,02
FLNA-1005	min. 5	45±2	50±2	-	0,92-0,94	1,0±0,02
FLN-805	min. 5	-	95±1	-	0,85-0,9	1,25±0,03
FLN-905	min. 5	-	95±1	-	0,85-0,9	1,1±0,02
FLN-1005	min. 5	-	95±1	-	0,85-0,9	1,0±0,02
FLN-810	min. 10	-	90±1	-	0,9-0,95	1,25±0,03
FLN-910	min. 10	-	90±1	-	0,9-0,95	1,1±0,02
FLN-1010	min. 10	-	90±1	-	0,9-0,95	1,0±0,02
FLD-805	min. 5	-	-	95±1	0,99-1,01	1,25±0,03
FLD-905	min. 5	-	-	95±1	0,99-1,01	1,1±0,02
FLD-1005	min. 5	-	-	95±1	0,99-1,01	1,0±0,02
FLD-810	min. 10	-	-	90±1	1,02-1,05	1,25±0,03
FLD-910	min. 10	-	-	90±1	1,02-1,05	1,1±0,02
FLD-1010	min. 10	-	-	90±1	1,02-10,5	1,0±0,02
FLD-820	min. 20	-	-	80±1	1,12-1,15	1,25±0,03
FLD-920	min. 20	-	-	80±1	1,12-1,15	1,1±0,02

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