

## Binder for Lithium ion battery NEOFLON VT-475

### TECHNICAL DATASHEET

NEOFLON VT-475 contributes to high density electrode and stabilization of electrode slurry for lithium ion battery.

#### Characteristics

- NEOFLON VT-475 is fluororesin binder has binding function for lithium ion battery electrode.
- NEOFLON VT-475 is Daikin's own VdF copolymer shows the great flexibility.
- This binder shows high resistance of alkalis. Therefore, because the slurry using strongly alkaline active materials such as NMC622, NMC811, NCA show long-term stability, it makes stable coating possible for electrode manufacture.
- For the electrode using this binder show the great flexibility, high density electrode is achieved.

#### Typical Properties

Test item	Unit	NEOFLON VT-475	PVDF (Mw : 8.0×105)
High nickel materials Slurry stability (Normal temp & humidity)	-	Fluid (7day $\leq$ )	No fluid = Gelation ( < 1day)
Flexibility (ASTM D638)	MPa	400-600	1,400-1,500
Electrode density	%	+ 2~3	(Reference)

#### Handling and Safety Information

- Please refer to Safety Data Sheet.
- The product is designed for industrial use only. The compliance to the relevant regulations and technical standards for intended use is obligation of the manufacturers of final article.

#### Package

- 35kg

For more information, visit our website.

**DAIKIN INDUSTRIES, LTD.**

<https://www.daikinchemicals.com/>

tds-vt-475-E\_ver01\_Mar\_2021

Copyright (C) DAIKIN INDUSTRIES, LTD., 2021