



# NHU-PPS Resin

## Polyphenylene Sulfide Resin -Special Application Grade

### Characteristic

We are adopting advanced automated polymerization and post-processing technology, to stably producing and supplying PPS resin with excellent quality, outstanding properties, Our PPS resin is a linear polymer with high molecular weight, owns outstanding properties such as high temperature resistance, chemical and organic solvent resistance, non conducting, flame resistance, non-toxic, reliable performance and anti-adverse environment. It is used to produce high performance short Fiber, Monofilament, Plates and Rods, Coating etc.

### Applications

Fiber grade can be used for spinning, the spun fiber can be used to make the specially functional filter material.

Used for dust control and tail gas dedusting. Such as making filter bags of coal fired boiler, filter bags of waste incineration etc.

Extrusion grade can be used to produce Rods, Tubes, Plates, Blow molding products and small diameter wire and cable with PPS coating.

Based on the excellent properties, NHU PPS Resin Coating grade can be used as coating material to make the inner/outer coating such as non-stick pan, machinery, chemical pipelines, reaction kettles and storage tanks etc.

Magnetic powder grade can be compounded with the filler of rare earths material, magnetic powder, to make the high temperature resistance Magnetic plastic products.

### Properties

Application	Grade	MFR g/10min	Ash Content Wt%	Weight Loss* %	Volatile Content**%
Fiber Grade	3220	140-180	≤ 0.3	≤ 0.3	≤ 0.5
Extrusion Grade	3508	60-100	≤ 0.5	≤ 0.3	≤ 0.6
	3514	115-160	≤ 0.3	≤ 0.3	≤ 0.5
Coating Grade	50550S	60-100	≤ 0.5	≤ 0.1	≤ 0.5
	50215S	400-600	≤ 0.5	≤ 0.1	≤ 0.5
	50610S	2000-3000	≤ 0.6	≤ 0.3	≤ 1.5
Magnetic Powder Grade	10300F	2000-3000	≤ 0.6	≤ 0.3	≤ 1.5

The above product models are all conventional grades, and can be customized with special requirements.

\*: 150°C, 1 hour, percentage points of weight loss.

\*\* : 300°C, 1 hour, percentage points of weight loss.

### Note for use

- The above data are the typical figures of the products, which cannot be used for the acceptance standard.
- Final products will be affected by a wide variety of factors. The physical properties data shown in the table cannot be guaranteed to be fully applicable to the use condition of customer, the customer should do the final judgment then quote.
- Please refer to the relevant MSDS before using our products.