



## NHU-PPS Resin

### Polyphenylene Sulfide Resin-injection Grade

#### Characteristic

NHU-PPS Resin features narrow molecular weight distribution, low content of oligomer and stable properties. By adopting advanced automated polymerization and post-processing technology, NHU manufacturing PPS of different grades with MFR ranging from 10-2500. In the meanwhile, NHU can provide Various Product specifications encompassing linear, cross-linked and other grades.

#### Applications

Injection grade resin can be used in automotive industry, electronics electrical, NMT injection molding, mechanical pumps and Valves other application fields of composite materials.

#### Properties

Application	Grade*	MFR (g/10min)	Ash Content Wt%	Weight Loss *%	Volatile **%	Cl Content PPM
Regular Grade	1130C	200-350	≤0.5	≤0.3	≤0.5	
	1150C	400-600	≤0.5	≤0.3	≤0.5	
Low Chloride Grade	3350	400-600	≤0.15	≤0.15	≤0.5	≤1400
Alloy Grade	3418	150-250	≤0.15	≤0.15	≤0.5	
	3450	400-600	≤0.15	≤0.15	≤0.5	
	3490	1000-1500	≤0.15	≤0.15	≤0.5	
Cross-Linked Grade	200200C/F	1500-2500	≤0.6	≤0.1	≤0.55	
	201100C/F	800-1200	≤0.4	≤0.1	≤0.55	
	20250C/F	400-600	≤0.4	≤0.1	≤0.55	
	20212C/F	100-150	≤0.4	≤0.1	≤0.55	

\*150°C , 1 hour, percentage of weight loss; \*\*300°C , 1 hour, percentage of weight loss.

(The above data are the typical figures of the products, which cannot be used as the acceptance standard.)

#### Note for use

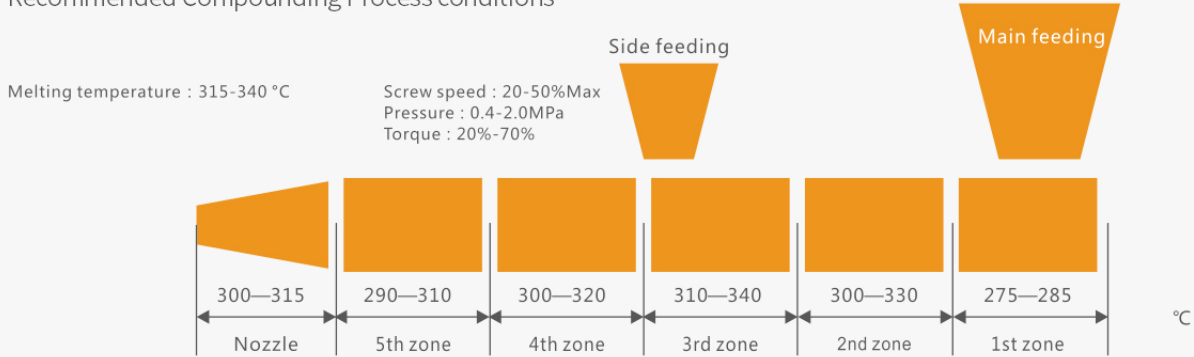
- The suffical C indicates for compacted type, F indicates for powder type , of which both are only different in physical form.
- Final products will be affected by a wide variety of factors. The physical properties shown in the above table cannot fully guarantee to meet the conditions for customers during application, in which case this can be only used for reference.
- Please refer to the relevant MSDS before using our products.



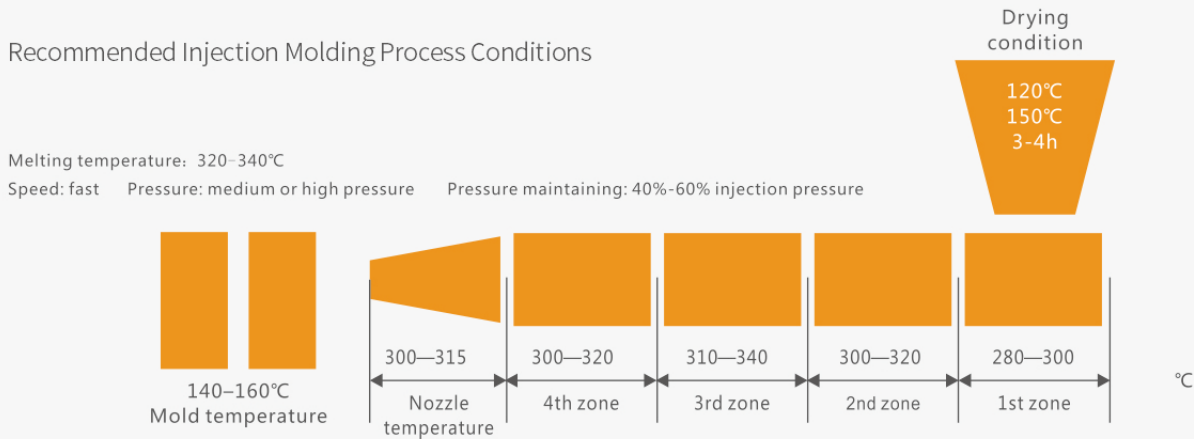
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Recommended Compounding Process conditions



Recommended Injection Molding Process Conditions



Barrel temperature & Nozzle temperature

