



NEW HARMONY UNION



Zhejiang NHU Special Materials CO., LTD.

NHU-PPA Resin Polyphthalamide Resin

NHU-PPA Resin is a semicrystalline thermoplastic polyamide which is also a semi aromatic polyamide, commonly known as high temperature nylon. It is featured with polyamideclass high temperature nylon resin with high temperature distortion, excellent tenacity and frictional resistance. Featuring good melt flow rate, PPA resin boasts excellent injection molding processibility , acid, alkali and general chemical resistance as well as outstanding mechanical strength.

Products title	N600	N600HF	N602	N200	N201	N100	Test Method
Inherent Viscosity dL/g	0.90	0.80	0.80	0.80	0.90	0.80	ASTM D2857
Density Kg/L	1.2	1.2	1.2	1.2	1.2	1.2	ISO 1183
Glass transition temp°C	92	92	95	123	100	132	ISO 11357
Melting Temp°C	308	308	325	315	323	315	ISO 11357
Water content * %	0.25	0.25	0.25	0.25	0.25	0.25	
Ash Content%	0.25	0.25	0.25	0.25	0.25	0.25	ISO 3451 750 °C

The above mentioned specification is only part of the standard grades, and NHU is capable of providing customerized products to accommodate the market need .

* : 150°C , 20 min , percentage point of weight loss.

Note for use

- The above data are the typical figures of products which is not the deemed as the acceptance standard .
- Final products will be affected by a wide variety of factors. The physical properties shown in the above table can not fully guarantee to meet the conditions for customers during application , in which case this can be only used for reference.
- Please add the drying process and refer to relevant MSDS before using our products.

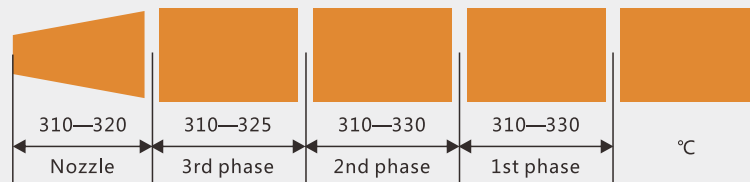


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Recommend Compound Process condition

Vacuum degree: 0.09MPa
Screw speed: 200-300rpm

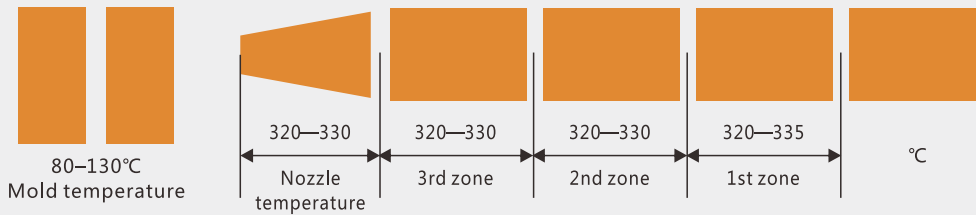
dehumidifying
120°C,
6-8hours,
Moisture
content
<0.10%



Recommend injection process condition

Drying
condition

dehumidifying
heat 120°C
4-5hours



Barrel temperature & Nozzle temperature

