

CELPURGE® NX-VG3

- Improved cleaning of resin at high temperature of over 300 °C!
- The working environment (splashing, odor, gas) is also greatly improved!
- NX-VG3 does not adhere to metals and discharges easily from processing machines.
- The maximum operating temperature is 340°C.



Cleaning procedure of CELPURGE NX-VG3

After injection molding various engineering plastics at each temperature, a test purge was conducted by using various purge agents and we confirmed the amount required for complete cleaning. From the results of the evaluation,

330°C PPS+GF30%

PPS GF30% → NX-VG3



PPS GF30% → Other purging agent



250°C PC/ABS

PC/ABS → NX-VG3



PC/ABS → Other purging agent



* Using Injection Molding Machine : (Clamping force 100 t) 1lump : 5 shots

Improvement of working environment when using NX-VG3

NX-VG3 facilitates work safety, because of reduced splashing, odor, smoke and gas even at over 300 °C.

330°C For PPS Cleaning

* Using Injection Molding Machine (Clamping force 100 t)

NX-VG3 Smoke emission



Less gas, odor, smoke.
No splashing

Other purging agent Smoke emission



Significant gas, odor, smoke
and splashing

Cleaning the cylinder/screw

Discharge the remaining material, and load Celpurge into the hopper. Set the molding conditions as shown in the table below and perform repeated purging. After purging, change to the molding conditions of the next material molding to discharge the Celpurge. It is also effective to use in combination with rotary purge (power purge) at the screw advance limit.

Metering	Back pressure	Screw rotation speed	Cylinder temperature	Injection speed
10~30mm	0~5MPa	50~100rpm	250~340°C	Over 30mm/sec

Usage guideline (Injection Molding Machine)

Clamping force	80	150	550	1000
Required amount of Celpurge	0.2~0.6kg	0.3~0.8kg	2~6kg	4~10kg