

Color change of hot runner using NX-P2

A cleaning evaluation of Celpurge NX-P2 was performed using Ube Industries Machinery Co., Ltd., for changing the color of foamed PP using a hot runner. Good results were achieved as detailed below.

Molding machine, mold

Mold	Mini door trim test mold (valve gate type hot runner)
Molded product weight	About 295g
Molding machine	Ube Industries Machinery Co., Ltd. MD450S-IV
Molding material	Use foamed PP MB, change color from black to gray

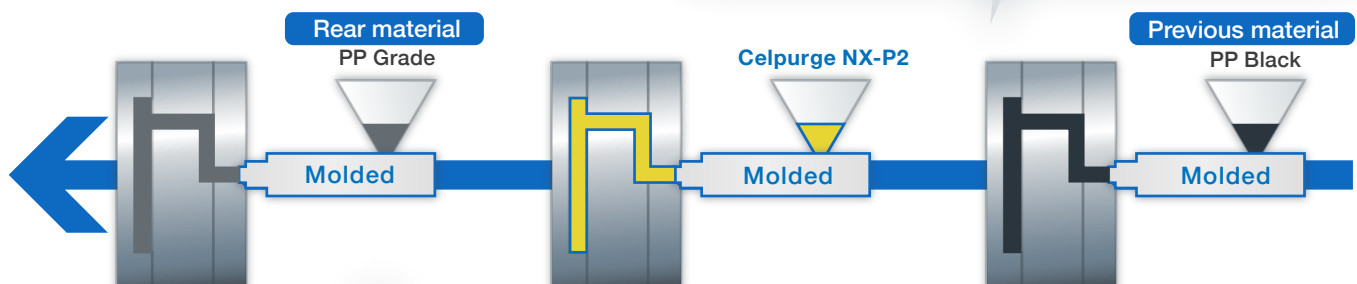
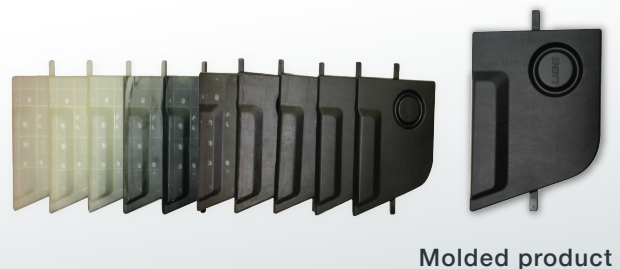
Purge procedure and results

Celpurge NX-P2 was continuously molded from the former material, and then the latter material was continuously molded. (The cylinder and hot runner were cleaned at the same time.)

With Celpurge NX-P2, the previous material was sufficiently discharged in 15 shots, and the replacement with the next material was completed in only 4 shots. No touch-up process was required when molding the next material.

On the other hand, when directly changing the color with the next material, the residue of the previous material did not disappear even after 60 shot molding.

Front material → NX-P2 15 shots 4kg



NX-P2 → Rear material 4 shots



Cleaning of hot runners, which had been considered extremely difficult in the past, can be performed very easily using Celpurge NX/Hot Runner.

Please consider Celpurge NX series to improve the efficiency of the color change process during molding.