PolyOne

Color & Additives Masterbatches

OnCap™ Multi-Purge™ Concentrates

Purging Concentrates for Effective Color Changes in Injection Molding

Description

PolyOne's OnCap™ Multi-Purge™ purging concentrates are designed to clean injection molding tooling and machinery during a color change without breaking the cycle of the molding machine. Most competitive products require stopping the cycle, raising temperatures, allowing for soak time and purging the residual scrap material through the nozzle into a melt puddle. Multi-Purge concentrates allow for an uninterrupted cycle with no waste in purged material, which clearly results in a cost savings for the molder.

Multi-Purge concentrates are designed to be molded and processed through the manifold system. The parts produced can then, at the discretion of the molder, be recycled back into finished parts with no adverse effects other than what may commonly occur with the introduction of regrind.

Unique Properties

- The shear and pressures generated during the actual molding cycle are required to maximize the scrubbing effects and distribution of the material; thus, if Multi-Purge concentrates are not used to mold parts, the cleaning process for the molding machine will not be as effective.
- Multi-Purge concentrates are miscible with all resin systems but do require a specific temperature range for activation: Multi-Purge (L) concentrate is 375°F, Multi-Purge (S) concentrate is 425°F, and Multi-Purge (H) concentrate is 500°F.
- Each Multi-Purge concentrate grade has a blending percentage: (L) is 2.00% to 4.00%, (S) is 2.00% to 4.00%, and (H) is 1.00% to 2.00%. Blend it with the resin of choice or meter as is done with color concentrates. The letdown ratio is dictated by the difficulty of the changeover conditions.
- Multi-Purge (S) and (H) concentrates are compatible with all resin systems except vinyl. Multi-Purge (L) concentrate is compatible with all resin systems.

Additional Information

For information on additional Multi-Purge™ products and PolyOne's complete line of OnColor™ colorants and OnCap™ additives, visit our Web site at **www.polyone.com** or call **1-866-POLYONE.**

PolyOne Corporation
33587 Walker Road
Avon Lake, OH 44012
1.866.POLYONE (1.866.765.9663)
www.PolyOne.com

PolyOne®

At PolyOne, we deliver premium-quality products and services, which our customers use to enhance their own products. We believe no competitor can match our technical expertise because no workforce can outperform the people of PolyOne. Our people are ONE team working together – our strength and our pride. Their skills, passion and dedication are shaping a potent industry leader, a concerned corporate citizen and a great place to work.

MPSS-02-69571