MOULDS PLUS INTERNATIONAL

ULTRA PURGE
Don't just purge...ULTRA PURGE!™

Color Change Cost Analisys

Description

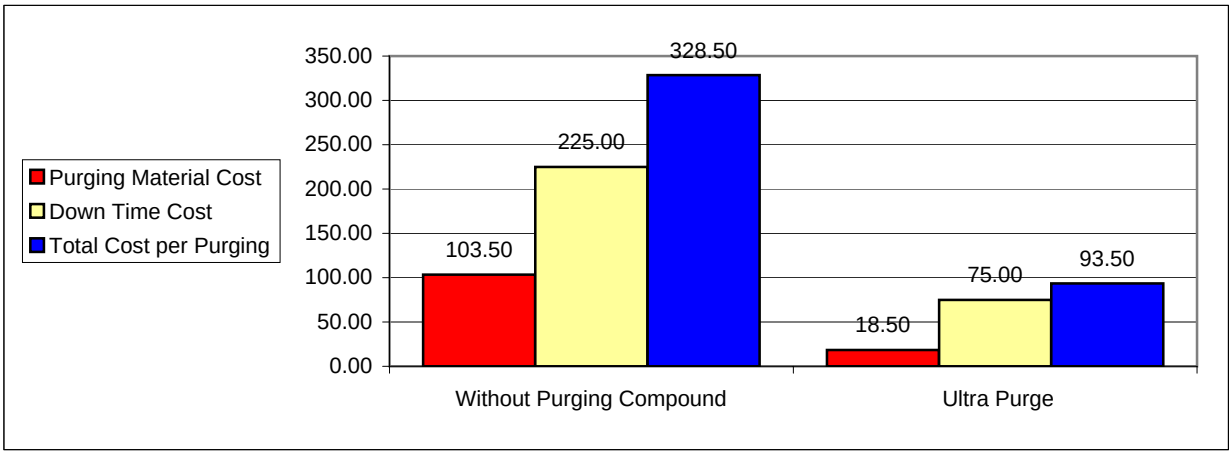
The following cost analysis is related to a color changed performed with a 500 Ton injection molding machine purging Black PS with the Ultra Purge High-E. Trial 1 was performed using no purging compound. Trail 2 was performed using Ultra Purge High-E grade.

Colorant - BLACK	**Units**	**Trial 1 w/o Purging Compound**	**Trial 2 Ultra Purge**
Lbs of PS	Lbs	115	5
Cost of PS	USD/lb	0.90	0.90
Lbs of **Ultra Purge High-E**	Lbs	0	2
Cost of **Ultra Purge High-E**	USD/lb		7.00
Total Purging Material Cost	USD/lb	103.50	18.50
Time required for purging	Hours	0.75	0.25
Down-Time/Lost Production Hourly Cost	USD	300.00	300.00
Total Down-Time Cost	USD	225.00	75.00
Total Cost per Purging	USD	328.50	93.50
Total amount in USD saved per color change using Ultra Purge	**USD**	**235.00**	

Conclusion

As shown in the above cost analysis Ultra Purge was very efficient in reducing the cost of the purging material but it was even more efficient in reducing production down time. The down time and lost of production is usually the biggest component in the color change break-down cost analysis.

Reduction Purging Material **82%**
Reduction Down-Time **67%**



Trial Picture