

colour change

ULTRA PURGE SPEEDS UP COLOUR CHANGES AND REMOVES CARBON BUILDUPS

Colour changes and carbon contamination result in excessive scrap and downtime for many companies producing industrial packaging.

A large injection moulder producing buckets recently approached Moulds Plus International for assistance with their purging issues. The moulder was having issues with carbon and dark colour hang-ups in their hot runner systems. The manufacturer of their hot runner systems recommended Ultra Purge to the moulder to assist them with the issues they were experiencing. Moulds Plus International has done extensive R&D on developing grades of Ultra Purge that excel at cleaning hot runner systems and work with many of the largest manufacturers of hot runner systems in world.

MOULDED ULTRA PURGE PARTS COLLECTED AT THE TRIALS

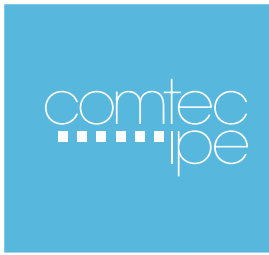


Left - Chunks of carbon being pulled from the hot runners. **Right** - Ultra Purge removing red colour from the previous production run, alongside with old colour that was used two weeks prior.

THE SOLUTION

Ultra Purge P-O grade was recommended to the moulder after a consultation with an Ultra Purge technical sales representative.

The sales representative attended the Ultra Purge trial with the company in order to provide the best possible customer service. The injection moulder was using a commercial purge compound that was effective at cleaning the screw and the barrel; however, it was failing at purging the hot runner systems. The lingering contamination in the hot runners was causing an excessive amount of downtime and scrap for the injection moulder. The trials with Ultra Purge P-O demonstrated a 50% reduction in downtime and scrap when compared to the company's previous purge solution. Another benefit of Ultra Purge, compared to the other commercial purge compound, was that 50% less Ultra Purge was required. The injection moulder appreciated this benefit because the reduction of the amount of commercial purge compound required will further reduce the cost for purging.



Don't just purge... **ULTRA PURGE!**[™]

Industry advantages:

- Food & Packaging:** Approved by FDA & EU Food Requirements.
- Medical:** Ultra Purge have passed the strict migration test to comply with EU food contact regulations.
- Technical:** Specialized solution that works with a wide variety of resins and temperatures.
- Electronics:** Suitable for high temperature applications. Very effective during material changes and with carbon buildup removal.
- Housewares:** Colourants and carbon deposits are softened and easily removed from extruders, injection units and hot runners.
- Automotive:** Fast and easy solution for dark to light colour changes.

PRODUCT GUIDE								
Grades	Ultra Purge P-O	Ultra Purge PET-E	Ultra Purge BP	Ultra Purge 5150	Ultra Purge 5160	Ultra Purge PC	Ultra Purge PMMA	Ultra Purge HT+
Temp. °C	170-300	190-320	170-380	160-350	190-320	220-340	200-280	250-400
Resin Range	PP, PE, HDPE, LDPE, LLDPE, HIPS, GPPS, TPO...	PET	PP, PE, HDPE, LDPE, LLDPE, HIPS, GPPS, TPO...	ALL RESINS WITHIN ABOVE TEMPERATURE RANGE	ABS, ASA, PA, GPPS, HIPS, PC, SAN, PBT, PET...	WHEN SWITCHING FROM ANY RESIN TO PC	WHEN SWITCHING FROM ANY RESIN TO PMMA, TRANSPARENT PA, CA, CAB	PPS, PSU, PEEK, ULTEM...
Ready-to-use	✓	✓		✓	✓	✓	✓	✓
Concentrate			✓					
Hot runners	✓	✓	✓	✓	✓	✓	✓	
PET Preform		✓						
EXTRUSION								
Screw & Die	✓	✓		✓	✓	✓	✓	✓
Blow Moulding				✓				

For technical support please consult COMTEC IPE



It is recommended to consult the technical data sheet of each grade.

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