

# DOVERPHOS<sup>®</sup>

## LGP-12

When it comes to phosphites,  
it's the natural choice

Introducing Doverphos<sup>®</sup> LGP-12, an innovative and proprietary liquid polymeric phosphite stabilizer that is a suitable alternative to TNPP.

Doverphos<sup>®</sup> LGP-12 is unique in that it contains no alkylphenols. It offers excellent compatibility in thermoplastic resins, resulting in reduced additive migration and exposure.



### Application Information:

Doverphos<sup>®</sup> LGP-12 can be used in LLDPE, HDPE, PP and other polymers to protect against the effects of oxidative and thermal degradation to maintain MFI and low color. Doverphos<sup>®</sup> LGP-12 is effective as a replacement for TNPP and can be used at lower loading levels due to its superior performance and high phosphorus content.

### For more information, contact:

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PROPERTY	TYPICAL RESULT
Phosphorus, %	7.3%
Appearance	Clear to slightly hazy liquid
Refractive Index @ 25°C	1.478
Specific Gravity @ 25°C	0.965
AV	0.01
Color, APHA	<100
Viscosity, CPS @ 25° C	~1000

The information contained on this data sheet is believed to be reliable. Since the conditions of application and use of our products are beyond our control, no warranty is expressed or implied regarding accuracy of the information, the results obtained from the use of the product, or that such use will not infringe on any patent. This information is furnished with the express condition that you will conduct your own tests to determine the suitability of the product for your particular use.

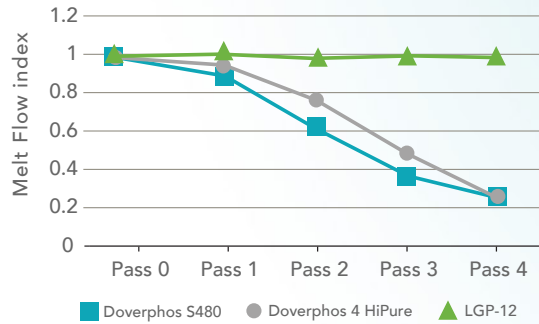
LGP-11<sup>®</sup>, LUBE-BOOSTER<sup>®</sup>, MAYCO<sup>®</sup>, PAROIL<sup>®</sup>, SUL-PERM<sup>®</sup>, SYN-CHEK<sup>®</sup>, SYNKAD<sup>®</sup>, CHLOREZ<sup>®</sup>, CHLOROWAX 40<sup>®</sup>, CHLOROWAX 50<sup>®</sup>, DOVERNOX<sup>®</sup>, DOVERPHOS<sup>®</sup>, DOVERPHOS HIPURE<sup>®</sup>, and DOVERPHOS S-9228<sup>®</sup> are federally registered trademarks of Dover Chemical Corporation.

# PERFORMANCE

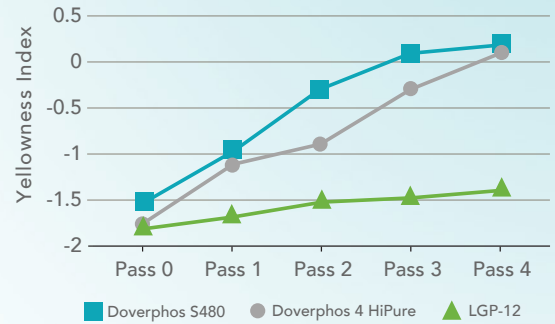
ALKYLPHENOL-FREE

## DOVERPHOS<sup>®</sup> LGP-12

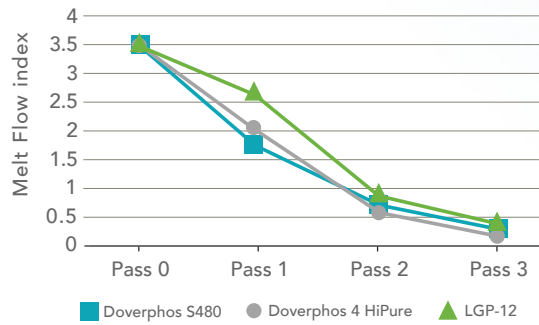
**LLDPE Blown Film Resin MFI (260C Extrusion)**



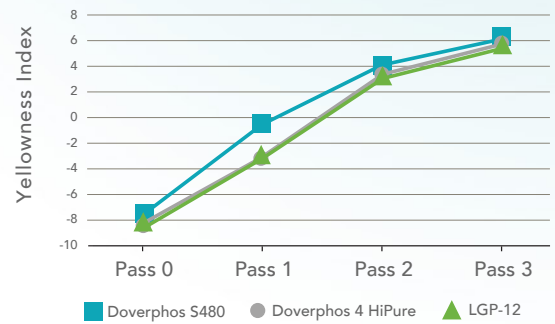
**LLDPE Blown Film Resin Yellowness Index (260C Extrusion)**



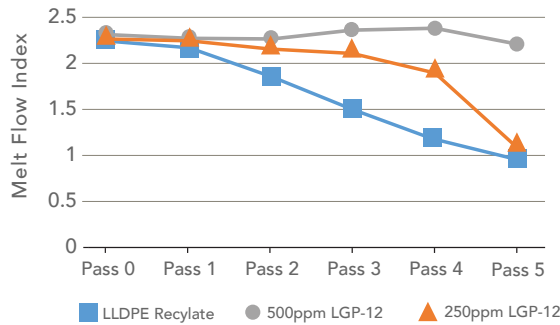
**LLDPE Cast Film Resin MFI (310C Extrusion)**



**LLDPE Cast Film Resin Yellowness Index (310C Extrusion)**



**100% PCR Recycle (240C Extrusion)**



Doverphos LGP-12 can help produce a more stable PCR recyclate stream

Doverphos LGP-12 cleared melt fracture without the use of conventional PPA's, including fluoropolymers (for pics below)



No PPA or LGP-12



With 1500 ppm LGP-12