

DOVERPHOS[®]

LGP-12

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

Introducing Doverphos[®] LGP-12, an innovative and proprietary liquid polymeric phosphite stabilizer that is a suitable alternative to TNPP.

Doverphos[®] 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[®] 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[®] 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.

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

For more information, contact:

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

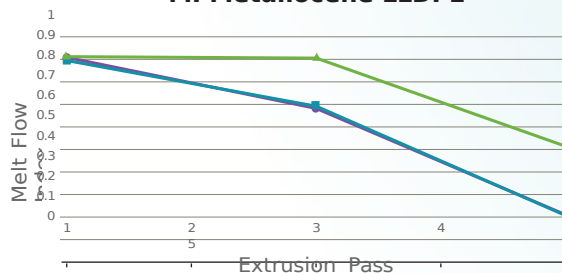


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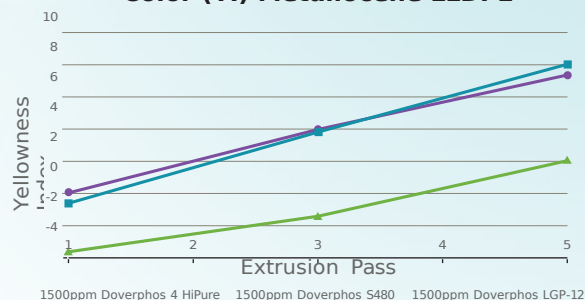
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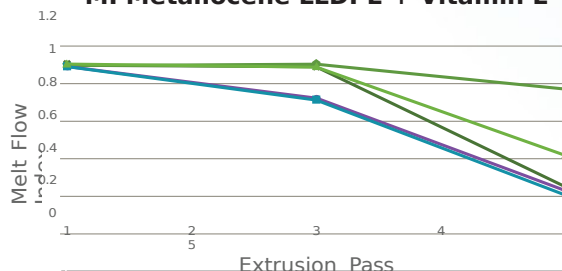
MI Metallocene LLDPE



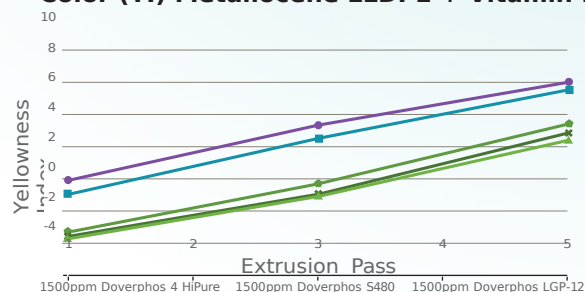
Color (YI) Metallocene LLDPE



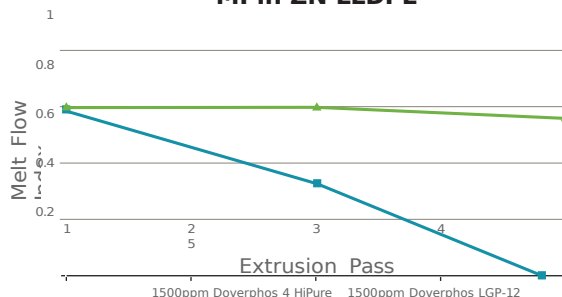
MI Metallocene LLDPE + Vitamin E



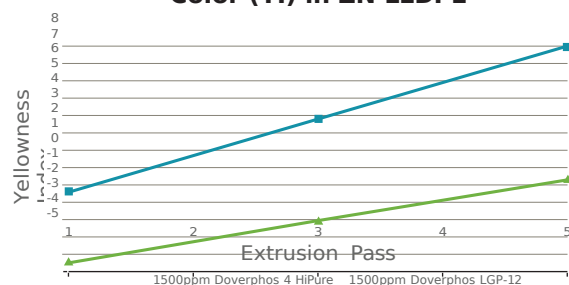
Color (YI) Metallocene LLDPE + Vitamin E



MI in ZN LLDPE

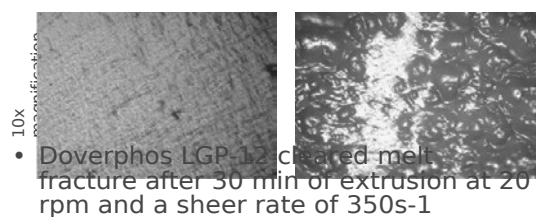


Color (YI) in ZN LLDPE



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Doverphos 4 HiPure



- Doverphos LGP-12 cleared melt fracture after 30 min of extrusion at 20 rpm and a shear rate of 350s-1

- Doverphos 4 HiPure still had significant melt fracture after 30 min

Color (YI) Metallocene LLDPE NOx

