

EPOLENE® resins enhance processability, lubrication, and gloss in rigid PVC compounds

Rigid PVC compounds require effective lubrication and dispersion due to the significant mineral loading levels in the formulations. Westlake offers a variety of EPOLENE® low molecular weight polyethylene resins that have been used extensively over the years to provide the following:

- ▶ Enhanced internal lubrication, promoting improved speed of fusion
- ▶ Enhanced external lubrication, providing surface gloss and reducing die lip build up
- ▶ Performance from both pellet and powder offerings for optimized processing and dispersion

EPOLENE®
60
Years and
Growing

EPOLENE® Products by PVC Compound Application

Application	External Lubrication	Internal Lubrication
Description	The lubricating layer between extruder and PVC resin	Aids in melt blending PVC resin and additives in molten phase
Key Value Drivers	Less sticking of PVC to metal barrel Higher processing speed Less charring	Improves dispersion between the polymer melt of additives in melt blend
Recommended Grades and Features	<p>C-Type Polymers Provides external lubrication for higher viscosity blends</p> <p>N-11, N-14, N-21, N-34 Provides external lubrication for lower viscosity blends</p>	<p>E-14 NSF/PPI compliant Industry leading oxidized PE grade for rigid PVC lubrication, in applications such as pipe and profile extrusion</p> <p>E-20 Higher viscosity, medium density oxidized PE grade versus E-14 for rigid PVC lubrication</p>

