



PolySource

Resin • Solutions • Delivered



More than a resin distribution company,
your partner in delivering
solutions

Who Are We?



Consultants



**Technical Problem
Solving**



Case Study – POK Conversion from POM

- Molder/Assembler is manufacturing food processing conveyor belts for OEM
- **HOWEVER...**
 - Using POM, due to new FDA regulations on cleaners and sanitizers, the life of the POM belt diminished, and only had a life expectancy of 4 weeks. OEM is using 400 belts per year. Each 60' belts cost \$20,000 each
 - With conversion to POK, number of belts per year decrease to 80

Enters PolySource with a Solution!

Consultants



PolySource
Recommends POK Conversion
from POM

PolySource Recommends POK Conversion from POM



Feature

- POK offers a better chemical resistance than POM
- POK has better wear than POM
- POK offers better impact than POM

PolySource Provides Efficiency = Savings!

PolySource Recommends POK Conversion from POM



Advantages

- POK offers a better chemical resistance – resulting in 3-4X multiple lifetime in service
- POK has better wear - resulting in extended life from approximately 4 weeks to 8-9 months, possibly up to a year.
- POK offers better impact than POM – resulting in a 75% reduction in belt replacement.

In Addition...Processing Cost Savings!



PolySource Recommends POK Conversion from POM

Benefits

- OEM eliminated \$50,800 expense per month in replacing POM belts. Total annual savings came to \$612,000...despite POK price being higher priced than POM.
- Recall concerns, from contaminated food, from broken plastic pieces, decreased with the use of POK belts avoiding
 - damage to the brand.
 - Cost of a recall and lawsuits (~> \$1,000,000)

PolySource solution results in a > \$612,000 Savings!