



PolySource

Resin • Solutions • Delivered



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

Who Are We?



Consultants



**Technical Problem
Solving**

Case Study – Outdoor Insulator



Outdoor electrical insulator, currently molded in HI PA6/6

HOWEVER...

In a high humidity environment, part swells from moisture absorption and then becomes detached

In a low humidity environment, part shrinks as moisture content decreases and parts crack and become detached

In both conditions, electrical insulation is lost and the process shuts down

Application requirements:

High impact for high speed automated assembly process

Dimensional stability in all outdoor conditions

Current HI PA6/6 parts must go through secondary exposure to near boiling water submersion, de-watered, bagged and sealed in 200 piece lots

Customer Needs a Solution !

Consultants



PolySource

Recommends POKETONE M730 A

PolySource Technical Problem Recommends POKETONE M730 A



Features

Excellent impact properties in all outdoor conditions

Virtually “zero” change in dimensions with in all outdoor conditions

Excellent electrical insulation properties

PolySource Positions POKETONE M730 A!

PolySource Technical Problem Recommends POKETONE M730 A



Advantages

Excellent impact properties - no field breakage during installation in all outdoor conditions

Virtually “zero” change in dimensions resulting in no detachment from assembly and no loss of insulation in all outdoor conditions

Excellent electrical properties provides necessary insulation

No longer need secondary operations:

Boiling parts in water

Dewatering

Special bagging

In Addition...Processing Cost Savings!

PolySource Technical Problem Recommends POKETONE M730 A



Benefits

Eliminated broken parts and associated labor and replacement costs: **\$32,000**

Elimination of all secondary operations, (boiling parts, dewatering, bagging and associated labor costs: **\$76,000**

Created 9,000 square feet of floor space (old secondary operations):
\$900,000 value

Increased market share over competition: **\$250,000**

Sales of used equipment: **\$80,000**

\$1,400,000 in Benefits!