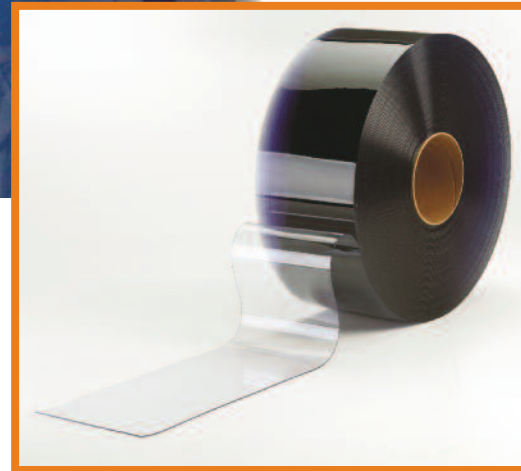


PolySim™ – Our  
NFPA and ASTM  
fire-rated  
material.

# PolySim™ – The Clear Choice for Fire-Rated Transparent Curtains



## Features:

- ✓ Class 1 fire-rated
- ✓ No outgassing, no blooming
- ✓ Permanent ESD dissipation
- ✓ Environmentally friendly

- PolySim meets and exceeds the new NFPA 76 data center standard. Also meets ASTM E-84 standards and is Class 1 fire rated, with the lowest smoke and flame spread ratings available.
- PolySim is a thermal plastic urethane, not a PVC. No outgassing, no blooming, and reduced cleaning requirements.
- The PolySim formulation includes an alloy using high molecular weight materials. Its permanent static dissipation properties do not wear off or diminish over time like anti-static vinyls do.
- PolySim contains no plasticizers or phthalates and is better for the environment, thus helping you meet your sustainability goals.
- Also available in opaque black and opaque white.

 **SIMPLEX™**  
ISOLATION SYSTEMS

**1.800.854.7951**  
[www.simplexisolationssystem.com](http://www.simplexisolationssystem.com)



Personnel strip doors.



Portable enclosure for the shop floor.



Softwall enclosures.



Data centers and computer rooms.



Cleanrooms.

## Part Numbers and Applications

**40480** 48" wide strips, 40 mil thick.  
Capable of being RF welded into various widths.  
Excellent for longer widths to create solid walls.

**40484** 48" wide strips, 40 mil thick.  
4" overlaps in either side, extending beyond the hook-bead mount.  
The double overlap helps to form a better seal.  
Excellent for those applications that cannot have a solid wall.

**40122** 12" wide strips, 40 mil thick.  
2" overlaps on either side extending beyond the hook-bead mount.  
This application is designed specifically for strip doors.  
Strip doors part easily, come back together quickly.

## How to Order PolySim™ Material from Simplex

Please call your authorized Simplex dealer, or call Simplex directly at 800-854-7951.

## PolySim™ Material Specifications and Testing Information

Test	Result
Hardness Durometer (D-2240)	90A/47D
Tensile Strength % (D-412)	3800 psi
Ultimate Elongation % (D-412)	450%
100% Module PSI (D-412)	1200 psi
Brittle Temp (deg. F)	0 deg. F/-17 deg. C.
Minimum Operating Temp. (deg. F)	32 deg. F/0 deg. C.
Specific Gravity	1.16
UV Stability (in sunlight)	Good
Flame Test UV 94V0	Pass
Flame NFPA 701 Small Scale	Pass
ASTM E-84 Class 1	
--Flame	10
--Smoke	180

Specific and ASTM test methods in parentheses



Simplex Isolation Systems: a division of TMI, LLC | 14500 Miller Ave. | Fontana, CA 92336  
909-429-0117 | Toll-Free: 800-854-7951 | Fax: 909-429-0217 | [info@simplexis.net](mailto:info@simplexis.net)



proudly designed and manufactured in the USA.

[www.simplexisolationssystem.com](http://www.simplexisolationssystem.com)

PolyGen 1-0615-1000