



Geon™ Glide Wear Resistant Plastisols

Patent-Pending Plastisol Resists
Wear in Abrasive Environments

Problem

Your customers want a product made from a polymer that's more abrasion resistant than traditional plastisol. Unfortunately, your manufacturing processes do not allow you to turn to alternative polymers, and the expense to install equipment capable of processing a higher performance polymer is not supported by the market.

Solution

PolyOne's new, patent-pending Geon Glide Wear Resistant Plastisols are modified to produce a highly abrasion-resistant surface. Further, these products can be processed using traditional plastisol fabrication equipment and conditions, allowing you to offer customers a fabricated product with longer service life. In addition, Geon Glide Wear Resistant Plastisols can help to increase revenue and enhance margins.

Key Characteristics & Benefits

Geon Glide Wear Resistant Plastisols can be formulated to meet virtually any plastisol need. The coefficient of friction (COF) can be fine-tuned for a given application, ranging from 10% to 60% lower COF compared to conventional plastisols. PolyOne's patent-pending formulations can be fabricated using the same production equipment and conditions as ordinary plastisols. These key characteristics offer you these unique benefits:

- Premium product performance
- Ability to compete with TPU, rubber and other higher performance materials
- Potential for increased revenues and margins
- No increase in conversion costs or capital expenditures

Your customers will benefit from:

- Reduced wear and longer service life due to enhanced abrasion resistance
- Less downtime and replacement costs
- Lower energy consumption due to lower COF



Taber Abrasion Results...

illustrate the wear advantages of PolyOne's patent pending technology



Conventional Plastisol



Geon™ Glide Wear Resistant Plastisols

Typical Applications

- Industrial belts, hoses and other material handling equipment exposed to abrasive conditions
- Moving parts for which the goals include reduced wear, energy consumption or squeaking
- Parts that may stick and become difficult to remove when service life ends
- Applications that require easy mold release

CONTACT INFORMATION

Americas

U.S. – Avon Lake, Ohio
+1 440 930 1000

Asia

China - Shenzhen
+86 (0) 755 2969 2888

PolyOne

*Beyond Polymers.
Better Business Solutions.™*

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000

PolyOne Asia

Guoshoujing Road No. 88
Z.J Hi-Tech Park, Pudong
Shanghai, 201203, China
+86 (0) 21 5080 1188

PolyOne Europe

Rue Melville Wilson 2
5330 Assesse, Belgium
+32 (0) 83 660 211

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