

WinDoor

INCORPORATED
High Performance Doors & WinDows

Think about it... The more information you digest the better you perceive things.

6000 & 7000 Series
Sliding Glass Door
1-5/8 Wheel Size



8100 Series
Sliding Glass Door
3 Inch Wheel Size

WinDoor Only Uses Delrin® For Their Wheel Systems.

Standard Roller Systems:

Our Engineers have specifically designed adjustable tandem rollers with 1-5/8" or 3" Delrin® wheels by Dupont with stainless steel housings and stainless steel ball-bearings that allows the doors to operate easily and quietly. Delrin is an ABS/acetal co-polymer and has excellent dimensional stability. The wheel has been designed so that it's contoured to perfectly match the aluminum track it rides on. This results in a wheel that tracks perfectly without lateral vibration and contributes significantly to the ease and smoothness of operation....

Better Roller Systems

The History of Delrin®

Polyoxymethylene or Commonly Known as Delrin®

Polyoxymethylene (commonly referred to as **POM** and also known as acetal, polyacetal or polyformaldehyde) is an engineering **thermoplastic** used in precision parts that require high stiffness, low friction and excellent dimensional stability. It is commonly known under DuPont's trade name **Delrin®**.

Hermann Staudinger, a German chemist who received the 1953 Nobel Prize in Chemistry, first studied the polymerization and structure of POM in the 1920s to research the theory of giant molecules.

First synthesized by DuPont research chemists around 1952, the company filed for patent protection of the homopolymer in 1956 and completed construction of a plant to produce Delrin® at Parkersburg, West Virginia in 1960. Celanese completed its study on a copolymer in 1960, producing **Celcon** in 1962 and **Hostaform** in 1963 in Kelsterbach, Germany, under a limited partnership with Ticona.