



Vi-Chem Corporation

Company Information & Product Line Update



Vi-Chem Corp. Overview

- ▼ Established 1982
- ▼ ThermoPlasticElastomer (TPE), Thermoplastic Poly Olefin (TPO), Poly(Vinyl Chloride) PVC, and Specialty Alloy/Blend Compounder
- ▼ ISO/TS 16949 Certified – Internationally Recognized Third Party Manufacturing Accreditation.
- ▼ ISO17025 Laboratory Certification. This is Equivalent to CNAS Chinese Accreditation.
- ▼ Manufacture in Grand Rapids, Michigan, USA. Serving the Pacific Rim with Planet Asia

Our mission is to excel as a value-added supplier of plastic products which strengthen the competitive positions of our customers.



Engineered PVC Compounds

- Injection, Extrusion, Blow Molding, Thermoforming Grades
- Flexible 50 Shore A Through Rigid
- Color Matched, Black & Natural
- Gloss Levels from Matte (<2%) to High Gloss (90%)



Engineered TPE Products

- ▼ TPU, TPV, TPO & SBS/SEBS
- ▼ Alloys
- ▼ Flexible 40 Shore A Through Rigid
- ▼ Grades for Almost All Processes
- ▼ Most Products are Colorable (>1,000 Colors Matched)

Automotive Expertise

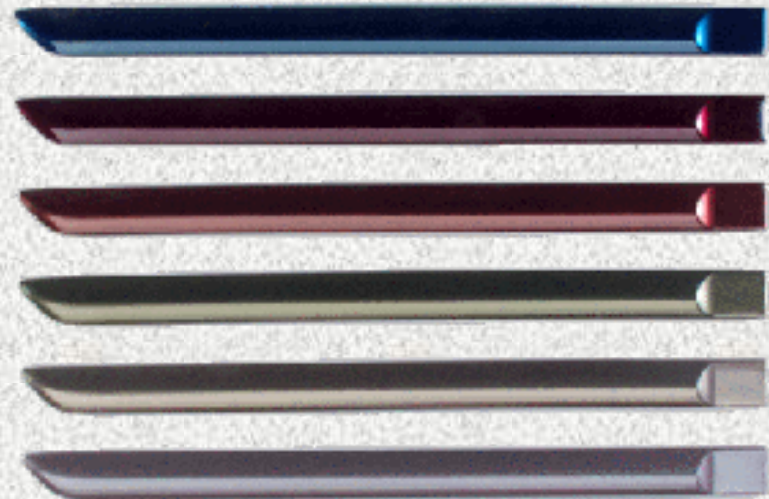
- ▼ Over 90% of Sales
- ▼ Materials Used by Most OEMs
 - ▼ BMW
 - ▼ Chrysler
 - ▼ Fiat
 - ▼ Ford
 - ▼ GM
 - ▼ Honda
 - ▼ Hyundai/Kia
 - ▼ Mazda
 - ▼ Mercedes
 - ▼ Mitsubishi
 - ▼ Nissan
 - ▼ Subaru
 - ▼ Toyota
 - ▼ VW

Automotive Exterior

▼ Bodyside Moldings

– Part Characteristics

- Black or Pre-Colored, Including Metallic/Pearlescent
- High or Low Gloss
- PVC or Spectra[®] TPO



Automotive Exterior

▼ Bodyside Moldings

– Part Characteristics

– Primary Products

- VNC80-30I-XXXX or VNC80-30E-XXXX
- VNC80-80I-XXXX or VNC80-80E-XXXX
- VNC87-30I-XXXX or VNC87-30E-XXXX
- VNC87-80I-XXXX or VNC87-80E-XXXX
- VNC90-30I-XXXX or VNC90-30E-XXXX
- VNC90-80I-XXXX or VNC90-80E-XXXX
- High Gloss Typically Matched Colors/Blacks
- Low Gloss Typically Matched Blacks/Grey

Automotive Exterior

▼ Bodyside Moldings

- Part Characteristics
- Primary Products
- Necessary Characteristics
 - Specification (Should List Durometer)
 - Gloss
 - Color
 - Process
 - Extrusion
 - Injection

Automotive Exterior

▼ Modular Window Encapsulation

– Part Characteristics

- High Flow
- Good Bond to Primer
- Hot Runner Manifold Capable
- Sevrene[®] TPE or Exterion[™] TPV



Automotive Exterior

▼ Modular Window Encapsulation

- Part Characteristics

- Primary Products

- PVC

- VNC66-30I-XXXX

- VNC75I-XXXX

- VNC80-30I-XXXX

- VNC87-30I-XXXX

- VNC90-30I-XXXX

Automotive Exterior

▼ Modular Window Encapsulation

- Part Characteristics
- Primary Products
 - PVC
 - TPE: Sevrene 3000-XXA-XXXX
 - TPV: Exterion ???????????

Automotive Exterior

▼ Modular Window Encapsulation

- Part Characteristics
- Primary Products
- Necessary Characteristics
 - Specification (Should List Durometer)
 - Gloss
 - Color
 - Sealing Characteristics

Automotive Exterior

▼ Body Seals

– Part Characteristics

- Sealing
- Surface Finish/Color



Automotive Exterior

▼ Body Seals

- Part Characteristics
- Primary Products
 - PVC
 - VIR 6186
 - VNC80-30E-XXXX
 - Thermovin Series
 - Nitrovin Series
 - TPE
 - Sevrene 2000 Series
 - Sevrene 3000 Series

Automotive Exterior

▼ Body Seals

- Part Characteristics
- Primary Products
- Necessary Characteristics
 - Specification (Should List Durometer)
 - Gloss
 - Color
 - Process
 - Extrusion
 - Injection

Automotive Interior

▼ Soft Trim

– Part Characteristics

- Pre-Colored
- Low Gloss & Low Fog
- Soft Feel
- Good Flow



Automotive Interior

▼ Soft Trim

- Part Characteristics
- Primary Products

- PVC: V141/V142/V143/V221-XXI/E
- TPE: Sevrene 3000 Series
 - Sevrene 3000: Standard Compound
 - Sevrene 3582: Enhanced Feel
- TPV: Interion Series



Automotive Interior

▼ Soft Trim

- Part Characteristics
- Primary Products
- Necessary Characteristics
 - Specification (Should List Durometer)
 - Gloss
 - Color
 - Process
 - Extrusion
 - Injection

Automotive Interior

- ▼ Cup Holders, Bin Mats & Plugs
 - Part Characteristics
 - Black (May be Matched)
 - “Grippy” Feel
 - Good Moldability



Automotive Interior

▼ Cup Holders, Bin Mats & Plugs

- Part Characteristics
- Primary Products
 - Sevrene 3000 Series
 - Interion Series

Automotive Interior

▼ Cup Holders, Bin Mats & Plugs

- Part Characteristics
- Primary Products
- Necessary Characteristics
 - Specification (Should List Durometer)
 - Surface Characteristics
 - Color (Matched Black?)

New Products

▼ Spectra[®] TPO

- High Gloss Colorable TPO
- Good Scratch & Impact

▼ TPV

- Typically Blend of Santoprene & TPO
- Interior:
 - GM Focused
 - Interion[®] TPV
- Exterior: Exterion[™] TPV