

Vernay® Strip Cure Products

When Critical Matters...

Vernay specializes in the business of precision, elastomeric-based fluid controls and seals.

The convenience of extrusion with the tolerances of molding. Our continuous molded strip is the result of a manufacturing process *unique* to Vernay.

This process allows for the production of rubber and rubber-to-metal strip in a range of widths and thickness—all held to close tolerances. Using a stable and repeatable process, this method yields close tolerance strip in continuous lengths for optimum performance.

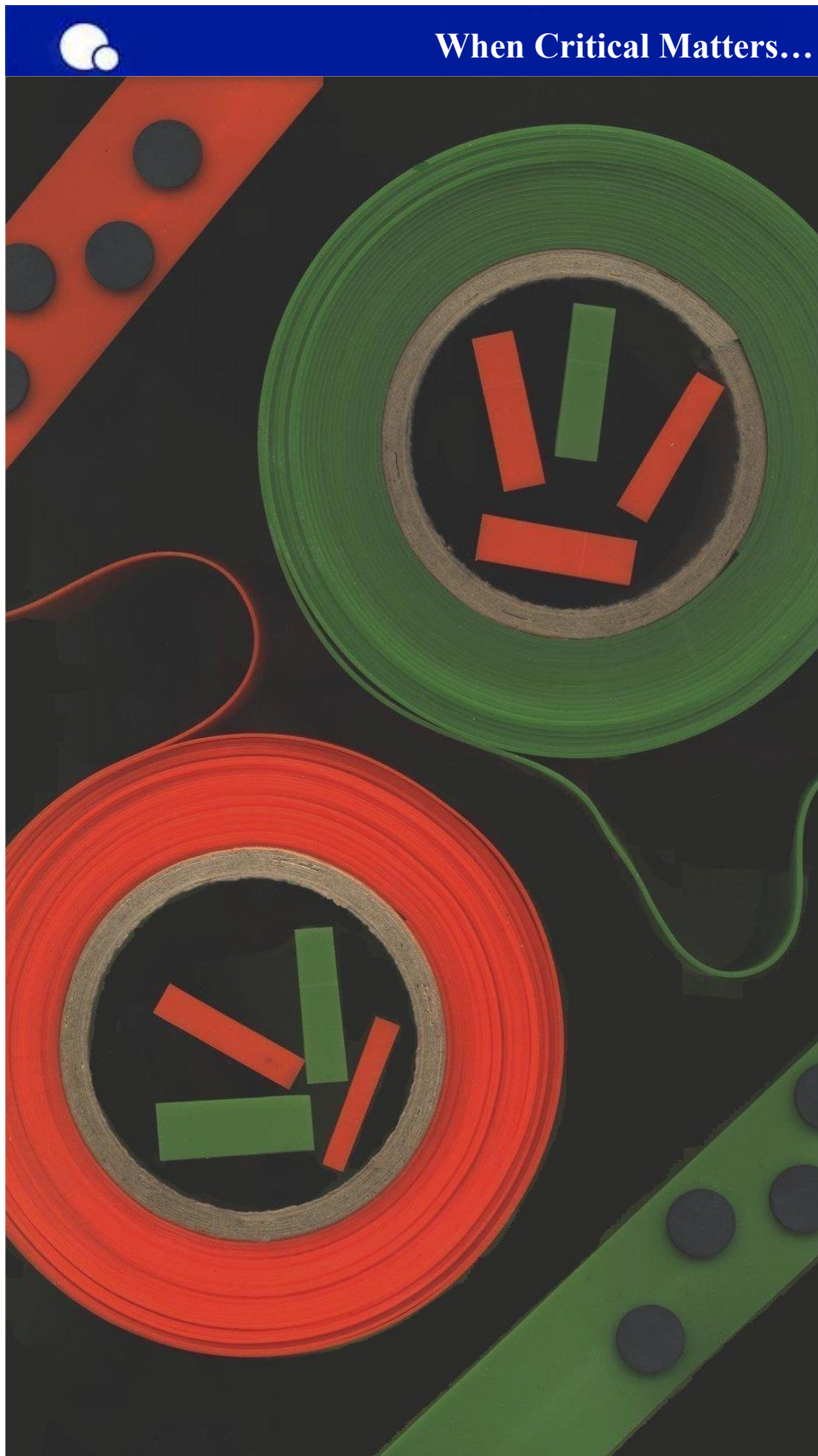
Vernay's global engineering and manufacturing reach allows us to deliver reliable solutions to you right the first time and on time. Your projects will benefit from expert advice and technical support from concept to commercialization.

When Critical Matters...trust in Vernay's over 65 years of market-specific experience, in advanced material and manufacturing technology as well as a wide range of innovative product solutions for your fluid control and sealing challenges.



*Elastomeric
Fluid Controls*

www.vernay.com





Product Features

Function:

Using our proprietary continuous cure molding process, we are able to produce and maintain tight molded tolerances in continuous lengths. Surface finishes comparable to moldings are also achievable.

Process controls:

Utilizing modern statistical process control methods, Vernay is able to achieve and maintain superior Cpk values on all critical dimensions. This statistical data can be provided with individual production releases if required.

Assemblies

Vernay's continuous cure molding process is also capable of bonding a continuous metal reinforcement strip to the molded compound. For further information on this reinforcement feature, please contact Vernay Laboratories Sales Department.

Production Capability

Geometries listed here are for reference only. Actual production parts may or may not require compounding/processing development. Vernay is ready to work with you to custom-design the product that best suits your application.

High Performance Silicone Elastomer Strip by Continuous Molding					
Shore A Available: 20 - 70					
Thickness (mm)	Widths Available (mm)				
	0.4	120	60	40	30
0.6	120	60	40	30	20
0.8	120	60	40	30	20
1.0	120	60	40	30	20
1.2	120	60	40	30	20
1.4	120	60	40	30	20
1.6	120	60	40	30	20
1.8	120	60	40	30	20
2.0	120	60	40	30	20
Material Specifications					
Shore A Tolerance			± 3 points		
Thickness Tolerance			± 0.03 mm		
Width Tolerance			± .15 mm		
Core Diameter			14 mm		
Supplied in reels or inquire about stamped shapes.					

High Performance Strip by Continuous Molding – NBR, FVMQ, EPDM, Viton					
Shore A Available: 30 - 80					
Thickness (mm)	Widths Available (mm)				
	0.4	120	60	40	30
0.6	120	60	40	30	20
0.8	120	60	40	30	20
1.0	120	60	40	30	20
1.2	120	60	40	30	20
1.4	120	60	40	30	20
1.6	120	60	40	30	20
1.8	120	60	40	30	20
2.0	120	60	40	30	20
Material Specifications					
Shore A Tolerance			± 3 points		
Thickness Tolerance			± 0.08 mm		
Width Tolerance			± .15 mm		
Core Diameter			14 mm		
Supplied in reels or inquire about stamped shapes.					

Applications

Automotive: Fuel pumps, brake systems

Medical: Diaphragms, pharmaceutical closures

Printing: Print head assembly, printer and ink supply of inkjet and barcode labeler systems

Consumer/Specialty: Irrigation pressure compensating drip emitters, consumer appliances, fluid dispensers, batteries, fluid controls, dispensing, closure gaskets, aerosol valves, resealable pressure relief valves, safety valves, miscellaneous check valves, electrolytic capacitors, face seals, rod wipers

Small Engine: Fuel pumps

Not an exhaustive List

Compounding Options

- Nitrile, NBR
- Fluorosilicone, FVMQ
- Ethylene Propylene, EPDM
- Silicone, VMQ, MQ, PVMQ
- Viton FKM, FPM
- Potable water approved compounds also available.

Note: the above polymeric families list is not exhaustive; they are selected representations of the many materials available.



The Irrigation Industry



After years of working exclusively with one of irrigation's major manufacturers, Vernay is now in a position to sell its products to the entire industry!

Using our proprietary strip cure molding process, we offer a product line of both EPDM and silicone continuous strip and stamped shapes for the irrigation industry. These products are precision molded for the irrigation industry and offer the chemical resistance needed for normal or extreme applications.

Strip width and thickness can be modified to provide the exact size to fit your cutting and assembly equipment, or we can provide individual pieces to suit your needs.

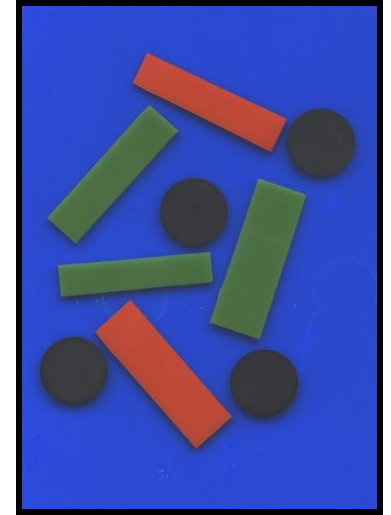
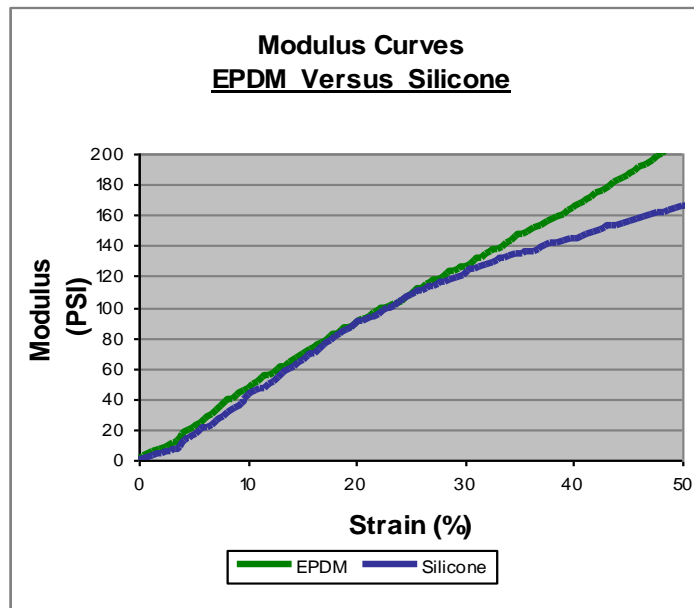


Chart to the Right:

Matching the low strain modulus of EPDM and silicone allows us to offer either material for your drip irrigation needs.



Optimal solutions are most often achieved through successful co-development. Vernay specialists are ready to work with you to provide innovative answers to your most demanding design challenges. Working with Vernay as your design partner can result in lower total cost and higher value.



Quality Commitment





Vernay is committed to the philosophy of continuous improvement in everything we do. Product quality is achieved through the stabilization and continuous improvement of all processes and activities that impact quality.

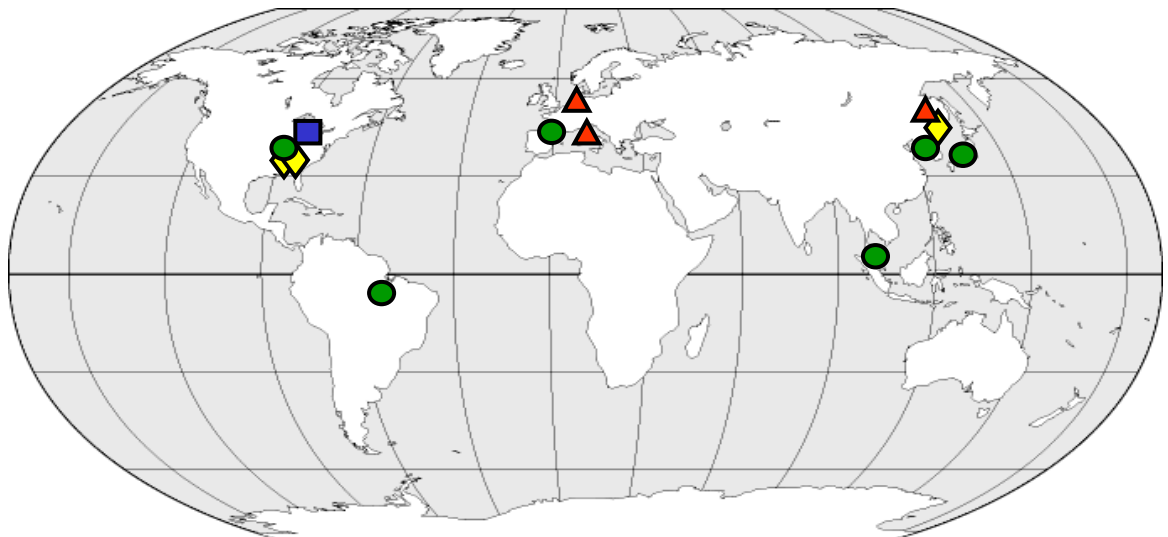
The Vernay Quality System has been established to enforce the vital component of the customer-supplier relationship.

The Vernay Quality System is based on the ISO-9001

Quality System Standards, the Automotive QS-9000 and TS16949 System Requirements, the FDA Quality System Regulations, and the ISO-14001 Environmental Quality Standard.

Actual quality certifications for each of our global locations can be downloaded in PDF format on our website.

- Headquarters Development & Production 
- Development & Production 
- Production 
- Sales Office 



Global Locations:

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