

# PLASTISOL

## SPECIALITY MATERIALS

Many everyday products require durability, functionality, and high performance characteristics. Manufacturers often need versatile physical and resistance properties for molding or coating a variety of products.

PLASTISOL is a liquid form of vinyl that is cured by heat to form a solid end product. Properly cured PLASTISOL can offer a wide variety of physical properties & attributes, all depending on the formulation.



OVERVIEW

How does it **work?**

PLASTISOL is a liquid dispersion of PVC resin in plasticizer. It is formulated based upon processing parameters, end-use applications, and desired

product specifications. By utilizing an extensive group of raw material additives, PLASTISOL is an incredibly versatile polymer choice.

Main **features**

- Can be custom formulated for a wide variety of market applications and processing methods.
- Optimized for applications include dip coating, dip molding, rotational molding, slush molding, hot melts, inks, textile coatings, and adhesives.
- Performs as a protective, functional, and decorative coating for a variety of end products with many type of resistances properties available.
- Formulated without solvents and low in Volatile Organic Compounds (VOCs)
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TYPICAL APPLICATIONS

Consumer goods  
& Appliances

- Medical supplies
- Recreational
- Toys
- Hand protection
- Textiles
- Tools and hardware

Commercial  
& Industrial

- Furniture
- Adhesives
- Wall covering
- Plating
- Filtration
- Belting

COLOR OPTIONS

Color reference chart

Get inspired from a broad range of standard colors. Request a RAL fan deck or ask one of our experts.

Custom formulations

Talk to your technical expert regarding custom formulations to fit your exact needs.

## Compliance

PLASTISOL can be formulated to be compliant with certain guidelines. vAsk our experts to see what different types of compliance, certification, or accreditation is available for your product.

## Care & maintenance

PLASTISOL is a synthetic product and when treated with care and the correct products, PLASTISOL will have a long, and durable life.

Contact our experts for specific tips and advice.

## Troubleshooting

We stand by our products, even when things don't go quite as planned. We are here to help address your issues with proven solutions.

Contact our experts for tailored support.

## PROVEN PERFORMANCE

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PLASTISOL can be tested on demand for various properties:

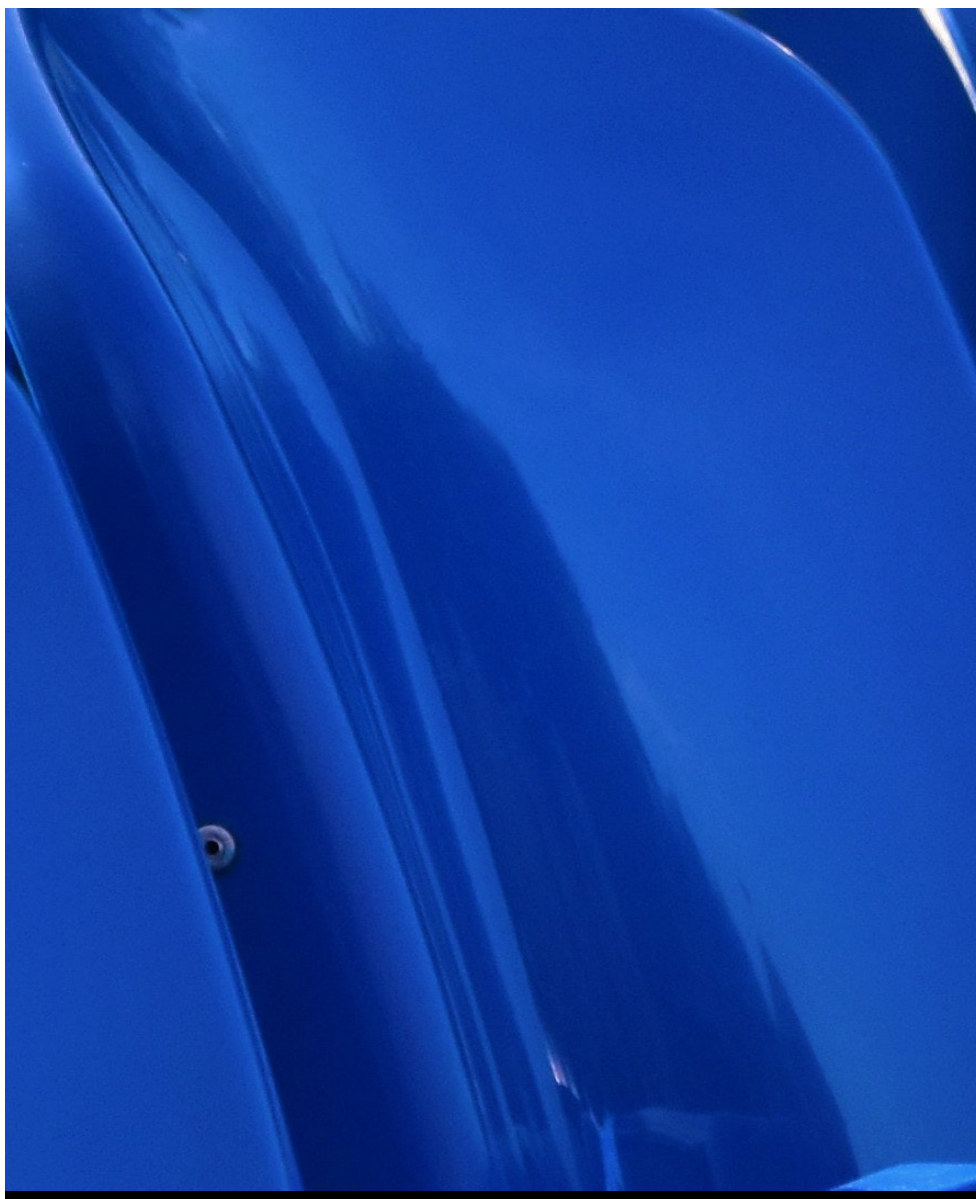
- |                        |                       |
|------------------------|-----------------------|
| – Tensile              | – Gloss               |
| – Tear                 | – Viscosity           |
| – Elongation           | – Dielectric Strength |
| – Density              | – Hardness            |
| – Gelation Temperature | – Bond Strength       |
| – Flame Retardancy     | – Heat Ageing         |
| – Fineness of Grind    | – Phthalates          |





## FORMULATING THE RIGHT MIX

For more than 45 years, the Protech Group has been developing and manufacturing coatings, paints, and specialty materials. Through quality and innovation, we formulate the right mix to protect and enhance what matters most to our customers. The Protech Group products are manufactured in more than 20 sites worldwide. We serve our customers in countless markets and industries, including construction, infrastructure, transportation, consumer goods, and healthcare.



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