

# Plastisol - Casting Series

## Polymer-Based Coatings

Cast to Last: Flexible, Durable, Precise.



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## Overview

Plastisol casting is a cost-effective process for producing durable, detailed parts with consistent quality. Liquid plastisol is poured into open or closed molds and heat-cured to form seamless components. Formulations can be customized for viscosity, hardness, color, and texture. It can also be applied to release paper, permanent substrates like fabric or metal, or directly onto a belt, with the product removed after fusion.

## Main Features

- Used across a wide range of applications, including grips, coatings, medical parts, toys, and industrial components.
- Formulations are highly customizable with adjustable viscosity, color, texture, and hardness.
- Ideal for low to medium-volume production of durable, finely detailed parts.
- Additives can be incorporated to enhance chemical resistance, abrasion durability, UV stability, or softness.

## Common Uses Include

- Sound-Dampening Barriers
- Walk on/Fatigue Mats
- Vinyl Switch/Sensor Mats
- Cast Film
- Roof Cladding



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### Typical Properties

<b>Hardness:</b>	Shore A to Shore D
<b>Resistance:</b>	Flame / UV / Mildew / Chemical / Impact
<b>Physical:</b>	Tensile / Tear / Elongation / Density
<b>Colors:</b>	Pantone / RAL / AMS STD 595
<b>Compliance:</b>	Non-phthalate / Prop 65 / REACH / ROHS / FDA / UL

### Consistent Quality. Proven by Performance.

At Protech Group, quality isn't just a feature—it's a promise. Our coatings are engineered to deliver consistent performance across every application, ensuring reliable results and a flawless finish each time. With rigorous quality control and decades of technical expertise, we maintain the highest standards from formulation to final product. Whether you're coating complex parts or high-volume assemblies, you can count on Protech for dependable performance and superior, long-lasting quality.

### Custom Formulations

Leveraging decades of experience, The Protech Group partners with you to create tailored coating formulations that meet your unique application, budget, and production needs.

