

# ENCASE™

THERMOPLASTIC COATINGS



Encase™ is a low-density polyethylene thermoplastic powder coating explicitly designed for the finishing of wire goods and other corrosion-prone products. Encase offers excellent flexibility, combined with impact resistance and powerful chemical resistance. Encase is the ideal coating solution for appliance racks as well as a wide range of household products. It is environmentally friendly and emits no harmful VOCs.



## OVERVIEW

# Polyethylene Thermoplastic Coatings for Wire Goods.

Polyethylene thermoplastic coatings such as Encase provide durable, corrosion-resistant, and attractive finishes for a wide range of wire goods. Commonly used on items like freezer baskets, storage shelves, and retail display units, these coatings offer long-lasting protection, smooth finishes, and excellent resistance to moisture, impact, and chemicals—ideal for both industrial and consumer environments.

## MAIN FEATURES

- **Encapsulation Coating** – Provides a full, uniform protective layer that completely surrounds and seals the wire or component.
- **Moderate Impact Resistance and Flexibility** – Offers a balance of durability and pliability suitable for standard use and handling conditions.



## TYPICAL APPLICATIONS

- **Fridge/Freezer Wire Shelving** – Interior wire shelves, sliding baskets, bottle racks
- **Household Wire Goods** – Dish drainers, closet organizers, laundry baskets
- **Storage and Utility Shelving** – Garage and warehouse shelving, kitchen wire shelves, tool storage racks
- **Retail Display Fixtures** – Product display racks, point-of-sale stands, hanging wire grids
- **Office and Home Accessories** – Paper trays, file organizers, wire mesh bins

## TECHNICAL PROPERTIES

Essential technical details are outlined below. Full Technical Data Sheet (TDS) available upon request.

GRADE		Fluidize bed
SPECIFIC GRAVITY	ASTM D792	0.943 g/cm <sup>3</sup>
HARDNESS	ASTM D2240	55
QUV	ASTM G53	500 hrs., no significant change in color or gloss
TABER ABRASION	ASTM D4060	29 mg loss, CS 17 wheel
SALT FOG (1,000 HOURS INSCRIBED)	ASTM B117	No Blistering
FREEZE / THAW	ASTM B523	No effects, 10 cycles
IMPACT RESISTANCE		160 Direct / 160 Indirect, no impact fractures

## FORMULATING THE RIGHT MIX.

Since 1976, 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. 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.



info@theprotechgroup.com  
www.theprotechgroup.com  
1-800-361-9364



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