

## DuPont™ Elvaloy® 742

### Elvaloy® resins Product Data Sheet

#### Description

**Product Description** DuPont™ Elvaloy® 742 is an ethylene/vinyl acetate/carbon monoxide (E/VA/CO) copolymer designed for polymer modification.

#### Restrictions

**Material Status** • Commercial: Active

**Availability** • Globally

#### Typical Characteristics

**Uses** • Polymer Modifier

**Features** Permanent, non-migrating PVC modifier. CPVC, TPU modifier.

**Characteristics / Benefits** Elvaloy® 742 copolymer deliver toughness and flexibility that is locked in to PVC. Elvaloy® 742 copolymer will not migrate like liquid plasticizers

Property	Typical Value	Units	ASTM Tes Method
Tensile Strength	4.2	MPa	D638
Elongation at Break	1200	%	D638
Hardness (Durometer)	55	Shore A	D2240
Tg	-32	°C	D3418
Molecular Wt. Distr.	Normal		D3593

**Applications** PVC Modification

#### Typical Properties

Physical	Nominal Values	Test Method (s)
Density ( )	1.02 g/cm³	ASTM D792
Melt Flow Rate (190°C/2.16kg)	35 g/10 min	ASTM D1238 ISO 1133

  

Thermal	Nominal Values	Test Method (s)
Melting Point (DSC)	45°C (113°F)	

#### Processing Information

**General**

Maximum Processing Temperature 240°C (464°F)

**FDA Status Information** Elvaloy® 742 currently does not have any US-FDA clearance for direct or in-direct contact with food materials.

**Regulatory Information** For information on regulatory compliance outside of the U.S., consult your local DuPont representative.

**Safety & Handling** As with any hot material, care should be taken to protect the hands and other

exposed parts of the body when working with molten polymer.

At temperatures above 240 °C (464 °F), these resins can evolve low concentrations of fumes. When resins are overheated, more extensive decomposition may occur. Because fumes produced during exposure to high temperatures may be combustible, exposure of overheated resin to atmospheric oxygen should be avoided if possible. Adequate local ventilation should be provided to remove the fumes from the work area.

Disposal of scrap material presents no special problems, and may be accomplished by landfill or by incineration by a properly operated incinerator. Disposal should comply with local, state, and federal regulations. Resin pellets can be a slipping hazard. Loose pellets should be swept up promptly to prevent falls.

For more detailed information on the safe handling and disposal of these resins, a Product Safety Bulletin and OSHA Material Safety Data Sheets can be obtained from the Regional Office serving you.

## Read and Understand the Material Safety Data Sheet (MSDS) before using this product

### Regional Centres

DuPont operates in more than 70 countries. For help finding a local representative, please contact one of the following regional customer contact centers:

#### Americas

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#### Asia Pacific

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**CAUTION:** Do not use DuPont materials in medical applications involving implantations in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of DuPont POLICY Regarding Medical Applications H-50103-3 and DuPont CAUTION Regarding Medical Applications H-50102-3.

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