DuPont Packaging & Industrial Polymers

Elvaloy® RET resins Product Data Sheet

**Description**

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DuPont™ Elvaloy® 5170 is a Reactive Elastomeric Terpolymer (RET) that can be used to modify the properties of asphalt binder used in paving.

Elvaloy® 5170 is the most chemically reactive of the terpolymers manufactured by DuPont for use with asphalt. It is effective when used with a wide range of asphalts. Resulting polymer modified asphalt (PMA) is very stable, and can be stored for extended periods.

**Restrictions**

**Material Status**

- Developmental: Active

**Typical Characteristics**

**Uses**

- Asphalt Modification

**Features**

Elvaloy® 5170 copolymer delivers high temperature SHRP properties and low temperature flexibility that is locked into asphalt binders. Once mixed the Elvaloy® reacts and never separates or segregates. Properties remain similar top, middle, and bottom no matter how long the binder is stored.

**Applications**

- Asphalt / bitumen modification

**Typical Properties**

**Physical**

- **Density ()**
  - Nominal Values: 0.95 g/cm³
- **Melt Flow Rate (190°C/2.16kg)**
  - Nominal Values: 8 g/10 min

**Thermal**

- **Melting Point (DSC)**
  - Nominal Values: 82°C (180°F)
- **Freezing Point (DSC)**
  - Nominal Values: 62°C (144°F)

**Processing Information**

**General**

- **Maximum Processing Temperature**
  - 220°C (428°F)
FDA Status Information
Elvaloy® 5170 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
A Product Safety Bulletin, Material Safety Data Sheet, and more detailed information on compounding and processing Elvaloy® resins for specific applications are available from your DuPont Packaging and Industrial Polymers representative.

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:

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