

DuPont™ Elvaloy® 5160

Elvaloy® RET resins Product Data Sheet

**Description**

**Product Description** DuPont™ Elvaloy® 5160 is a Reactive Elastomeric Terpolymer (RET) that can be used to modify the properties of asphalt binder used in paving.

Elvaloy® 5160 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® 5160 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.

Property	Typical Value	Units	ASTM Test Method
Tensile Strength	3653	PSI	D638
Elongation at Break	718	%	D638

**Applications** Asphalt / bitumen modification

**Typical Properties**

Physical	Nominal Values	Test Method(s)	
* Density ( )	0.95 g/cm <sup>3</sup>	ASTM D792	ISO 1183
* Melt Flow Rate (190°C/2.16kg)	12 g/10 min	ASTM D1238	ISO 1133
Thermal	Nominal Values	Test Method(s)	
* Melting Point (DSC)	80°C (176°F)	ASTM D3418	ISO 3146
Freezing Point (DSC)	55°C (131°F)	ASTM D3418	ISO 3146

**Processing Information**

**General**

\* Maximum Processing Temperature 220°C (428°F)

**FDA Status Information**

Elvaloy® 5160 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:

**Americas**

DuPont Company  
Chestnut Run Plaza – Bldg. 730  
974 Centre Road  
Wilmington, Delaware  
19805 U.S.A.  
Toll-Free (USA): 1-800-628-6208  
Telephone: 1-302-774-1000  
Fax: 1-302-355-4013

**Asia Pacific**

DuPont China Holding Co., Ltd.  
Shanghai Branch  
399 Keyuan Road, Bldg. 11  
Zhangjiang Hi-Tech Park  
Pudong New District, Shanghai  
P.R. China (Postcode: 201203)  
Telephone +86 21 3862 2888  
Fax +86-21-3862-2889

**Europe / Middle East / Africa**

DuPont de Nemours Int'l. S.A.  
2, Chemin du Pavillon Box 50  
CH-1218 Le Grand Saconnex  
Geneva, Switzerland  
Telephone +41 22 717 51 11  
Fax +41 22 717 55 00

DuPont do Brasil, S.A.  
Alameda Itapecuru, 506  
06454-080 Barueri, SP Brasil  
Telephone: +55 11 4166 8000  
Fax: +55 11 4166 8736

<http://elvaloy.dupont.com>

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