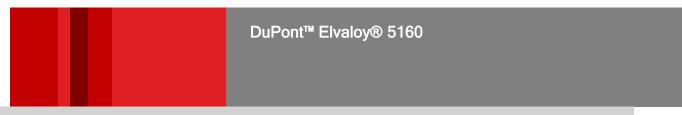
# **DuPont Packaging & Industrial Polymers**





## 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		

ypical Properties			
Physical	Nominal Values	Test Method(s)	
* Density ()	0.95 g/cm³	ASTM D792	ISO 1183
* Melt Flow Rate (190°C/2.16kg)	12 g/10 min	ASTM D1238	IS0 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

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This data sheet is effective as of 04/25/2014 12:42:29 PM and supersedes all previous versions.