



Elvaloy® 4170

DuPont Packaging & Industrial Polymers - Thermoplastic

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General Information

Product Description

DuPont™ Elvaloy® 4170 is a Reactive Elastomeric Terpolymer (RET) that can be used to modify the properties of asphalt binder used in paving.

Elvaloy® 4170 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, at mix levels as low as 0.5%, and is rarely used over 2.5%

Resulting polymer modified asphalt (PMA) is very stable, and can be stored for extended periods.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
Features	• Asia Pacific		
Uses	• Terpolymer		
Forms	• Asphalt Modification		
	• Pellets		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.942		ASTM D792
Density	0.940	g/cm ³	ISO 1183
Apparent (Bulk) Density	0.58	g/cm ³	
Melt Mass-Flow Rate	8.0	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR)	8.0	g/10 min	ISO 1133
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	162	°F	ASTM D3418
Melting Temperature (DSC)	162	°F	ISO 3146
Additional Information	Nominal Value	Unit	
Maximum Processing Temperature	536	°F	

Notes

¹ Typical properties: these are not to be construed as specifications.