Polybilt™ Bitumen Modifier 106

Ethylene Vinyl Acetate Copolymer Resin

Product Description

Polybilt 106 is compatible with a large variety of bitumens. For optimum results a preliminary study is recommended to determine the base bitumen grade and optimum Polybilt 106 content to achieve the desired end-use properties. Polybilt 106 raises binder softening point and decreases penetration, substantially improves resistance to rutting and jet fuels, and improves binder low temperature flexibility and cohesion.

General

Availability [1]	▪ Africa & Middle East	▪ Europe
Additive	▪ Thermal Stabilizer: Yes	
Applications	▪ Bitumen modifier	
Form(s)	▪ Pellets	
Revision Date	▪ 02/04/2019	

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.949	g/cm³	0.949	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	1.8	g/10 min	1.8	g/10 min	ASTM D1238
Vinyl Acetate Content	24.0	wt%	24.0	wt%	ExxonMobil Method
Peak Melting Temperature	171	°F	77	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	123	°F	50	°C	ASTM D1525

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Processing Statement

Polybilt 106 pellets are free flowing, therefore, well suited for use in automated feeding and metering systems. Polybilt 106 can be blended easily using conventional equipment. Blending time will depend on the shear rate of the equipment used. Polybilt 106 can be pre-blended with bitumen or poured directly into the pugmill. Recommended blending temperature is 180 - 190°C (356 - 374°F).

Notes

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

[1] Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

[2] Value reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions, based on ASTM D1238.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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