

# Polybilt™ Bitumen Modifier 101

## Low Density Polyethylene Resin

### Product Description

Polybilt 101 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 101 content to achieve the desired end-use properties.

- Boosts binder softening point and decreases penetration.
- Gives modified blends with excellent storage stability and handling characteristics.
- Particularly recommended for easy mixing in less compatible bitumen.

### Processing Conditions:

Polybilt 101 pellets are free flowing, therefore, well suited for use in automated feeding and metering systems.

Polybilt 101 can be blended easily using conventional equipment and does not require a high shear mixer. Blending time depends on the equipment used.

Polybilt 101 can be pre-blended with bitumen or poured directly into the pugmill. Recommended blending temperature is 160 - 170°C (320 - 338°F).

### General

Availability <sup>1</sup>	• Africa & Middle East	• Asia Pacific	• Europe
Additive	• Thermal Stabilizer: No		
Applications	• Bitumen modifier		
Form(s)	• Pellets		
Revision Date	• April 2012		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.943 g/cm <sup>3</sup>	0.943 g/cm <sup>3</sup>	ExxonMobil Method
Vinyl Acetate Content	14.0 wt%	14.0 wt%	ExxonMobil Method
Peak Melting Temperature	201 °F	94 °C	ExxonMobil Method
Melt Viscosity (374°F (190°C))	3100 mPa·s	3100 mPa·s	ASTM D3236

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	118 °F	48 °C	ASTM D1525

### Notes

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

For additional technical, sales and order assistance:

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

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