

## Technical Data Sheet

### *Koattro* PB M 2500M



Polybutene-1

#### Product Description

Polybutene-1 grade *Koattro* PB M 2500M is a random copolymer of butene-1 with low ethylene content.

*Koattro* PB M 2500M is primarily used as a blend component in hot melt adhesive (HMA) formulations and sealant compounds. It provides good cohesive strength of the HMA, higher Shear Adhesion Failure Temperature (SAFT) and can be used in combination with a wide variety of non-polar resins and waxes. It offers high green strength in assembly applications and helps to reduce the amount of resin needed in a HMA formulation. *Koattro* PB M 2500M is used in carpet backing applications where its very low viscosity enables good penetration into the structure enabling fiber bonding, but it also offers flexibility, high filler loading capability, recyclability and energy saving potential

Its compatibility with polypropylene, makes a one-step recycling process design possible

This grade is not intended for medical and pharmaceutical applications.

<b>Application</b>	Carpet Backing; Hot Melt Adhesives; Polymer Modifier; Sealants
<b>Market</b>	Compounding; Textile
<b>Processing Method</b>	Extrusion Coating; Melt Blown; Spunbond
<b>Attribute</b>	Extended Open Time; Good Thermal Stability; High Filler Loading Capability

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	2500	g/10 min	ISO 1133-1
Density	0.910	g/cm <sup>3</sup>	ISO 1183-1
Brookfield Viscosity, (190 °C)	3200	mPa·s	ASTM D3236
<b>Mechanical</b>			
Flexural Modulus	350	MPa	ISO 178