

## Technical Data Sheet

### *Koattro* PB 0801M



Polybutene-1

#### Product Description

Polybutene-1 grade *Koattro* PB0801M is a semi-crystalline homopolymer, which can be used where creep and environmental stress crack resistance and elevated temperature performance are key requirements.

This polymers unique processing behaviour allows it to be used as a processing modifier (internal lubricant) in polyolefins and Thermoplastic elastomeric compounding applications. It can absorb high loads of filler. It allows to be used in masterbatch applications where an excellent pigment dispersion is a key requirement. Finally it is highly appreciated in hot melt adhesive applications for its high cohesive strength and excellent wetting behaviour towards non polar substrates.

This grade is not intended for medical and pharmaceutical applications.

<b>Application</b>	Colour Concentrates; Hot Melt Adhesives; Products for Use in Property Modification
<b>Market</b>	Industrial, Building & Construction; Textile
<b>Processing Method</b>	Melt Blown; Spunbond; Staple Fiber
<b>Attribute</b>	Good Thermal Stability; High Flow; Homopolymer; Medium Stiffness

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	200	g/10 min	ISO 1133-1
Density	< 0.940	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Flexural Modulus	410	MPa	ISO 178
Tensile Strength at Break	30	MPa	ISO 8986-2
Tensile Elongation at Break	300	%	ISO 8986-2
<b>Thermal</b>			
Melting Temperature			
Tm1	126	°C	ISO 11357-3
Tm2	113	°C	ISO 11357-3

Tm2 corresponds with the melting point of crystalline form 2 which is measured immediately after solidification.

Tm2 corresponds with the melting point available for each batch on the Certificate of Analysis (COA).