

Technical Data Sheet

Koattro PB M 1100M



Polybutene-1

Product Description

Polybutene-1 grade Koattro PB M 1100M is a random copolymer of butene-1 with high ethylene content.

Koattro PB M 1100M 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.

Koattro PB M 1100M is used in carpet backing applications (Primary and Secondary backing), where it offers flexibility, high filler loading capability, recyclability and energy saving potential.

Koattro PB M 1100M is also used as an adhesive layer in multilayer meltblown applications. It is highly compatible with polypropylene.

This grade is not intended for medical and pharmaceutical applications.

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

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	1100	g/10 min	ISO 1133-1
Density	0.89	g/cm ³	ISO 1183-1
Brookfield Viscosity, (190 °C)	7700	mPa·s	ASTM D3236
Mechanical			
Flexural Modulus	100	MPa	ISO 178