



Polybutene-1 PB M 1200M

LyondellBasell Industries - Polybutylene

Monday, November 4, 2019

General Information

Product Description

Polybutene-1 grade Koattro PB M 1200M is a random copolymer of butene-1 with low ethylene content.

Koattro PB M 1200M is primarily used as a blend component in hot melt adhesive (HMA) formulations and sealant compounds. In order to maintain mechanical integrity at higher temperatures (higher shear adhesion failure temperature or SAFT) of an HMA, it can be used in combination with a wide variety of non-polar resins and waxes.

Koattro PB M 1200M helps to reduce the amount of resin needed in a HMA formulation.

General

Material Status	• Experimental: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Butene Comonomer • Good Thermal Stability	• High Flow • Medium Stiffness	• Random Copolymer
Uses	• Adhesives • Blending • Compounding	• Consumer Applications • Flexible Packaging • Rigid Packaging	• Sealants
Processing Method	• Injection Molding	• Meltblown Nonwovens	• Spunbond Nonwovens

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.908	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1200	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ²	49300	psi	ISO 178

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	302 to 428	°F
Extrusion	Nominal Value	Unit
Melt Temperature	302 to 428	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² Mechanical properties are measured on specimens conditioned for 10 days at 23°C