

Akoalit PB 4268 White

Polybutylene
LyondellBasell Industries

Message:

Akoalit PB 4268 white is a premium highly isotactic polyolefin manufactured from butene-1 monomer. The product provides excellent long term hydrostatic strength also at elevated temperatures combined with high flexibility.

Akoalit PB 4268 complies with requirements specified in ISO 15876, ISO 12230, DIN 16968/DIN 16969 and many other National Standards for PB-1 pipe applications.

The grade is typically used for high-performance extrusion into pipe and injection moulding into fittings for potable hot and cold water distribution applications where improved organoleptic properties are required.

Akoalit PB 4268 is available in white colour in pellet form.

Akoalit PB 4268 is not being sold for pipe applications in North America.

The grade is not intended for medical or pharmaceutical applications.

General Information	
Features	Homopolymer
	Weldable
	Good sensory characteristics
	Good creep resistance
	Good flexibility
	Thermal stability, good
Uses	Industrial application
	Piping system
	Building materials
	Architectural application field
Appearance	White
Forms	Particle
Processing Method	Pipeline extrusion molding
	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹			ISO 8986-2
Yield, molding	20.0	MPa	ISO 8986-2
Fracture, molding	35.0	MPa	ISO 8986-2
Tensile Strain ² (Break, Compression Molded)	300	%	ISO 8986-2

Flexural Modulus	450	MPa	ISO 178
Additional Information			
PB-1 is not sold for pipe applications in North America.			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 240	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 200	°C	
Extrusion instructions			
Vacuum: 30 mbar - 60 mbarCooling water temperature: 10 °C - 12 °C			
NOTE			
1.	Type IV spec		
2.	Type IV spec		

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